

Message

**From:** Barone, Stan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A4F8618ACBBA418DA24C110F3123A2AF-BARONE, STAN]  
**Sent:** 8/19/2011 6:36:47 PM  
**To:** Personal Email / Ex. 6 [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e96dd2fd830940448b8696619cdfb95d-lingards@gao.gov]  
**CC:** Avery, James [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b0fc9e70467647709fa9377dfb987f10-Avery, James]; Birchfield, Norman [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c910f2fd28414e819b6afe6dda525e9f-Birchfield, Norman]; Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Deener, Kathleen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b9a2ff1c086249ea8f6414afde8a5e54-Deener, Kathleen]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Gwinn, Maureen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4bdc5237a5c440a7b664518e23eb5647-Gwinn, Maureen]; Karen Hammerstrom [Hammerstrom.KarenLNDU@usepa.onmicrosoft.com]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]; Adkins, Norman [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc83a778bbf74e258ac90e183200ff4f-Adkins, Nor]; Howard, MarkT [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=494a52d5a7574ddda84bc70194fe51fb-Mark T Howard]; Heckman, Deborah [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=30d89070041b4c3e98084683920fe4d3-Heckman, Deborah]  
**Subject:** Re: Information/interview request  
**Attachments:** GAO Information Request-August 2, 2011.docx; IRIS Assessments as of August 18, 2011 v2.xlsx; IRIS PROCESS STEP & POSTING DATE 08-18-11 final.xlsx; GAO-acrylonitrile-ETBE-Mirex-LAA\_naphthalene.docx

see attached response to questions on specific chemicals



GAO-acrylonitrile...  
naphthalene.docx

5) "Status of EPA/IRIS Chemicals" list showing, for each chemical under assessment, which step in the IRIS process the chemical is at and the expected posting date, as of August 1, 2011.



IRIS PROCESS  
STEP & POSTIN...

6) "Actual Key Dates for IRIS Assessments" data as of August 1, 2011.



IRIS Assessments  
as of August 18, ...

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Stanley Barone, Jr., Ph.D.

ED\_002435\_00000043-00001

Senior Scientist/Assistant Center Director for Health  
Deputy National Program Director for Human Health Risk Assessment  
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Personal Matters / Ex. 6

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From: "Lingard, Summer A" <Personal Email / Ex. 6>  
To: Stan Barone/DC/USEPA/US@EPA  
Date: 08/02/2011 10:45 AM  
Subject: Information/interview request

Hi Stan -- I hope all is well. Attached is a request for some information -- it's mostly things we've asked for in previous interviews or updates of documents you've sent in the past. Let me know if anything isn't clear.

Also, we have some general follow-up questions for you -- mostly clarifying things we've discussed in the past and questions regarding EPA's response to the NAS formaldehyde report. I was hoping we could meet next week - we're free all day Tuesday, August 9 or Thursday, August 11 to do a video conference. Let me know if either of those works for you.

Finally, I wanted to let you know that our requestor asked us to move our issue date. We will now be issuing our report on October 26, 2011. We will send you a draft for Agency comments September 15.

Let me know if you have questions,  
Summer



GAO Information  
Request-August ...

Message

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**From:** Cogliano, Vincent [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=51F2736376AC4D32BAD2FE7CFEF2886B-COGLIANO, VINCENT]  
**Sent:** 8/11/2011 8:30:17 PM  
**To:** Barone, Stan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a4f8618acbbba418da24c110f3123a2af-Barone, Stan]; Barone, Stan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a4f8618acbbba418da24c110f3123a2af-Barone, Stan]  
**CC:** Perovich, Gina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e3c19d7f4db41bfa2477aa27ad83945-Perovich, Gina]; Karen Hammerstrom [Hammerstrom.KarenLNDU@usepa.onmicrosoft.com]; Birchfield, Norman [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c910f2fd28414e819b6afe6dda525e9f-Birchfield, Norman]  
**Subject:** Re: Fw: Data Update Request (Feb 2011)  
**Attachments:** GAO-acrylonitrile-ETBE-Mirex.docx

Hello everyone -- I'm back to these requests after a series of long meetings. I've attached a file with brief write-ups of acrylonitrile, ETBE, and Mirex. Gina will provide a brief write-up for Libby that is consistent with what we've told GAO and the IG. Lynn is the sole source of naphthalene info and also should review all these write-ups ... Thanks, Vince



GAO-acrylonitrile...

**From:** Stan Barone/DC/USEPA/US  
**To:** Vincent Cogliano/DC/USEPA/US@EPA  
**Cc:** Audrey Hoffer/DC/USEPA/US@EPA, Karen Hammerstrom/DC/USEPA/US@EPA, Audrey Hoffer/DC/USEPA/US@EPA, clark.becki@epa.gov, Darrell Winner/DC/USEPA/US@EPA, Elizabeth Corona/DC/USEPA/US@EPA, avery.james@epa.gov, Kathleen Deener/DC/USEPA/US@EPA, Lynn Flowers/DC/USEPA/US@EPA, Maureen Gwinn/DC/USEPA/US@EPA, Norman Birchfield/DC/USEPA/US@EPA, Samantha Jones/DC/USEPA/US@EPA, Gina Perovich/DC/USEPA/US@EPA, David Bussard/DC/USEPA/US  
**Date:** 08/08/2011 11:38 AM  
**Subject:** Fw: Data Update Request (Feb 2011)

Vince

please see narratives provide previously on other chemicals.

I believe for the most recent GAO request this format for narratives is what they are looking for.

- a) Acrylonitrile
- b) Libby Amphibole asbestos
- c) ETBE
- d) Mirex
- e) Naphthalene

I would like to get the most recent info that Washington shared with the IG on Libby to make sure we are saying the same things.

---

Stanley Barone, Jr., Ph.D.

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—— Forwarded by Stan Barone/DC/USEPA/US on 08/08/2011 11:26 AM ——

From: Stan Barone/DC/USEPA/US  
To: "Kniss, Michael" <Personal Email / Ex. 6>  
Cc: "Grace, Robert T" <GraceR@gao.gov>, "Lingard, Summer A" <Personal Email / Ex. 6>, Lynn Flowers/DC/USEPA/US@EPA, clark.becki@epa.gov, Darrell Winfield/DC/USEPA/US@EPA, cogliano.vincent@epa.gov, Karen Hammerstrom/DC/USEPA/US@EPA, MarkT Howard/DC/USEPA/US@EPA, Norman Adkins/RTP/USEPA/US@EPA, Deborah Heckman/DC/USEPA/US@EPA, Bobbie Trent/DC/USEPA/US@EPA  
Date: 02/23/2011 05:54 PM  
Subject: Re: Data Update Request (Feb 2011)

see below

We have attached a narrative that provides you a brief background for each of the specific assessments and explains the circumstances and reasons for key dates and adjustments identified in the project time lines/plans

Note in timelines that the left hand columns that are greyed outline key steps/dates in the projected process from pickup dates for each of these assessments.

Right hand columns denote revised projected dates based upon achievement of actual milestones

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From: "Kniss, Michael" <Personal Email / Ex. 6>  
To: Stan Barone/DC/USEPA/US@EPA  
Cc: "Lingard, Summer A" <LingardS@gao.gov>, "Grace, Robert T" <GraceR@gao.gov>  
Date: 02/07/2011 04:40 PM  
Subject: Data Update Request (Feb 2011)



Stan,

Greetings! We're looking forward to talking to you again in the coming weeks. Meanwhile, we're in the process of again updating our data. This will likely not be the last update we request, so do let me know if I should send future requests to someone else in NCEA so as not to take up too much of your time.

Please send us an updated/current version of the following:

- 1) Karen's Spreadsheet (the detailed table of "Actual Key Dates for IRIS Assessments").
- 2) The Iris Agenda Tables (Table 1 and Table 2).
- 3) The type of external peer review for any assessments with one newly-assigned since November 2010.

Furthermore, you've mentioned in the past that "project plans" are created for Tier 3 assessments since they do not adhere to the 23-month process timeline. Does EPA also create project plans (or projected milestone dates) for the Tier 1 and Tier 2 assessments? Please send us the following example project plans:

- 4) Tier 3 - dioxin and ~~MTBE~~ replace formaldehyde

note Dioxin does not really have a typical project IRIS plan [attachment "dioxin staffing & schedule 02-23-11.docx" deleted by Vincent Cogliano/DC/USEPA/US]

[attachment "formaldehyde staffing & schedule 02-23-11.docx" deleted by Vincent Cogliano/DC/USEPA/US] [attachment "Formaldehyde ATTACHMENT NAS SCHEDULE 02-22-11.xlsx" deleted by Vincent Cogliano/DC/USEPA/US]

- 5) Tier 2 - arsenic and RDX with BaP

[attachment "arsenic staffing & schedule 02-23-11.docx" deleted by Vincent Cogliano/DC/USEPA/US] [attachment "ARSENIC (NC) ATTACHMENT SAB SCHEDULE 02-22-11.xlsx" deleted by Vincent Cogliano/DC/USEPA/US] [attachment "RDX staffing & schedule 02-23-11.docx" deleted by Vincent Cogliano/DC/USEPA/US] [attachment "RDX 02-22-11.xlsx" deleted by Vincent Cogliano/DC/USEPA/US] [attachment "BaP staffing & schedule 02-23-11.docx" deleted by Vincent Cogliano/DC/USEPA/US] [attachment "BAP schedule attachment 02-22-11.xlsx" deleted by Vincent Cogliano/DC/USEPA/US]

- 6) Tier 1 - beryllium and diethylphthalate

[attachment "beryllium staffing & schedule 02-23-11.docx" deleted by Vincent Cogliano/DC/USEPA/US] [attachment "Beryllium 02-22-11.xlsx" deleted by Vincent Cogliano/DC/USEPA/US] [attachment "DEP staffing & schedule 02-23-11.docx" deleted by Vincent Cogliano/DC/USEPA/US] [attachment "Diethyl phthalate 02-22-11.xlsx" deleted by Vincent Cogliano/DC/USEPA/US]

Message

**From:** Cogliano, Vincent [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=51F2736376AC4D32BAD2FE7CFEF2886B-COGLIANO, VINCENT]  
**Sent:** 5/31/2011 10:46:40 PM  
**To:** Waalkes, Mike (NIH/NIEHS) [E] [waalkes@mail.nih.gov]  
**Subject:** RE: Recruiting scientists in my new job at EPA

Dear Mike -- Good to hear from you, too. I don't know what an SBRS is, but if I can do it, you're in ... Warm regards,  
Vince

**From:** "Waalkes, Mike (NIH/NIEHS) [E]" <waalkes@mail.nih.gov>  
**To:** Vincent Cogliano/DC/USEPA/US@EPA  
**Date:** 05/31/2011 08:33 AM  
**Subject:** RE: Recruiting scientists in my new job at EPA

Nice to hear from you Vincent - come up with an SBRS and I will apply - Mike

-----Original Message-----

**From:** Cogliano.Vincent@epamail.epa.gov [mailto:Cogliano.Vincent@epamail.epa.gov]  
**Sent:** Thursday, May 26, 2011 8:26 PM  
**To:** afan@oehha.ca.gov; Agnes\_Kane@Brown.edu; Alavanja, Michael (NIH/NCI) [E]; Molinolo, Alfredo (NIH/NIDCR) [E]; Ruder, Avima M. (CDC/NIOSH/DSHEFS); Anderson, Lucy (NIH/NCI) [E]; annawu@hsc.usc.edu; antonvb@medicine.ufl.edu; ARuder@cdc.gov; awylie@umd.edu; b.baguley@auckland.ac.nz; Backinger, Cathy (NIH/NCI) [E]; bdgold@pitt.edu; Blair, Aaron (NIH/NCI) [V]; Blair, Donald (NIH/NCI) [E]; boslandm@uic.edu; Brown.James@epamail.epa.gov; brucea@health.usyd.edu.au; bugs@uchc.edu; bullrich@utmb.edu; Fowler, Bruce (ATSDR/DTEM/OD); cailin.ucla@gmail.com; Cantor, Kenneth (NIH/NCI) [C]; carl.barrett@novartis.com; carreota@ucmail.uc.edu; cdcarter@wmonline.com; CDeRosa@cdc.gov; Chan, Po (NIH/NIEHS) [E]; Chhabra, Raj (NIH/NIEHS) [E]; costa.dan@epa.gov; dl58S@nih.gov; david.blask@bassett.org; david.eastmond@ucr.edu; david.richardson@unc.edu; david.savitz@mssm.edu; David\_Kaufman@med.unc.edu; dbarnes@worldbank.org; dbthomas@fhcrc.org; dcrabb@iupui.edu; ddittmer@med.unc.edu; demarini.david@epa.gov; dgallowa@fhcrc.org; dib3@columbia.edu; dl58S@nih.gov; drjameson@embarqmail.com; droy@fiu.edu; **Personal Email / Ex. 6**; ebarrettconnor@ucsd.edu; ecavalie@unmc.edu; ecesarm@med.cornell.edu; edelzell@uab.edu; fonth@lsuhsc.edu; EK\_Jaffe@fccc.edu; ekuempel@cdc.gov; elfarra@svm.vetmed.wisc.edu; elizabeth.ward@cancer.org; **Personal Email / Ex. 6**; Erhard.X.Haus@HealthPartners.Com; eva.schernhammer@channing.harvard.edu; faustman@u.washington.edu; Flowers.Lynn@epa.gov; Beland, Frederick (FDA/NCTR); Beane-Freeman, Laura (NIH/NCI) [E]; frice@cdc.gov; fritz.parl@Vanderbilt.edu; fstanczyk@socal.rr.com; **Personal Email / Ex. 6**; garnet@whi.org; gary.stoner@osumc.edu; Giuliano@moffitt.usf.edu; hal2@cdc.gov; harold\_freeman@ncsu.edu; hauptmann@nih.gov; hecht002@umn.edu; Herbert, Ron (NIH/NIEHS) [E]; herrick@hohp.harvard.edu; hlnlead@pitt.edu; hmukhtar@wisc.edu; hoel@muscd.edu; Pogribny, Igor (FDA/NCTR); ivan\_rusyn@unc.edu; janet.arey@ucr.edu; jburgess@email.arizona.edu; jerry.ward686@comcast.net; jg65y@nih.gov; jgroopma@jhsph.edu; Jinot.Jennifer@epa.gov; jjzhang@eoehsi.rutgers.edu; jlewtas@u.washington.edu; joelp@medicine.ucsf.edu; joseph.buell@louisville.edu; jr332@georgetown.edu; jsamet@usc.edu; jteta@exponent.com; jtrehm@aol.com; judy.bolton@uic.edu; kchung@memphis.edu; krksmith@berkeley.edu; lambert@oncology.wisc.edu; lemastgj@ucmail.uc.edu; linda.t.titus-ernstoff@dartmouth.edu; Bennett, L. Michelle (NIH/NHLBI) [E]; lstayner@uic.edu; Lunn, Ruth (NIH/NIEHS) [E]; lwallace73@comcast.net; lzeise@oehha.ca.gov; maarten.bosland@med.nyu.edu; margaret.karagas@dartmouth.edu; martynts@berkeley.edu; Attfield, Michael D. (CDC/NIOSH/DRDS); mfriesen@jhsph.edu; michael.elwell@covance.com; Thun, Michael (NIH/NCI); mitchelr@aecl.ca; mreed@lrri.org; msen@socy.umd.edu; mtoraason@cdc.gov; murphy@ucsf.edu; nesnow.stephen@epa.gov; nmuellder@hsph.harvard.edu; nsteen1@sph.emory.edu; pab@uclink4.berkeley.edu; Schulte, Paul A. (CDC/NIOSH/EID); pdterry@emory.edu; penning@pharm.med.upenn.edu; phil.landrigan@mssm.edu; pinfante@starpower.net; Brooks, PJ

(NIH/NIAAA) [E]; pnewcomb@fhcrc.org; polanda@mail.nih.gov; Portier, Christopher J (NIH/NIEHS) [E]; preuss.peter@epa.gov; quingl@mail.nih.gov; rconolly@ciit.org; renne@battelle.org; rguilmette@lrri.org; rhenders@lrri.org; richard.b.hayes@nyumc.org; **Personal Email / Ex. 6** rossman@env.med.nyu.edu; Rothman, Nat (NIH/NCI) [E]; Roycroft, Joe (NIH/NIEHS) [E]; rstafford@stanford.edu; runnegar@usc.edu; rxt07@health.state.ny.us; sasma@cdc.gov; sburchiel@salud.unm.edu; Schiffer, Charles; Schiffman, Mark (NIH/NCI) [E]; sdavis@fhcrc.org; sgapstur@northwestern.edu; shaslam@msu.edu; Sinha, Rashmi (NIH/NCI) [E]; smirvish@unmc.edu; snielsen@fhcrc.org; solin@ilsil.org; sstuver@bu.edu; steven\_moss@brown.edu; stewart@epndce.nih.gov; stomar@dental.ufl.edu; stoner.21@osu.edu; Strickle@aecom.yu.edu; sue.Hankinson@channing.harvard.edu; t.shimada@vanderbilt.edu; TCarreonValencia@cdc.gov; Carreon-Valencia, Tania (CDC/NIOSH/DSHEFS); tjunghans@tech-res.com; tongzhang.zheng@yale.edu; toxcon@earthlink.net; vwalker@lrri.org; Waalkes, Mike (NIH/NIEHS) [E]; Ward, Mary (NIH/NCI) [E]; Whitby, Denise (NIH/NCI) [C]; Winn, Debbie (NIH/NCI) [E]; wishnok@mit.edu; wolf.doug@epa.gov; Wolfe, Mary (NIH/NIEHS) [E]; Wong, May (NIH/NINDS) [E]; wpickwo@intra.nida.nih.gov; wwillet@hsph.harvard.edu; Wu, Xifeng; yawei.zhang@yale.edu; yong.zhu@yale.edu; Schubauer-Berigan, Mary K. (CDC/NIOSH/DSHEFS); zensertv@slu.edu; zfzhang@ucla.edu; ab.miller@sympatico.ca; baril.marc@irsst.qc.ca; claire.austin@nrc-cnrc.gc.ca; dkrewski@uottawa.ca; eduardo.franco@mcgill.ca; Guosheng.Chen@ene.gov.on.ca; j.siemiatycki@umontreal.ca; kannan.krishnan@umontreal.ca; Kathy\_Hughes@hc-sc.gc.ca; michel.gerin@umontreal.ca; mitchelr@aecl.ca; patrick.levallouis@msp.ulaval.ca; Paul\_White@hc-sc.gc.ca; pdemers@interchange.ubc.ca; priestn@aecl.ca

Subject: Recruiting scientists in my new job at EPA

Dear colleagues,

I hope this message finds you well. You may have heard that I left IARC and now direct the chemical risk assessment program at the U.S. Environmental Protection Agency. Although it's good to return home, I miss IARC, I miss living in France, and I miss interacting with the world-class experts we invited to Monograph meetings.

I'm writing to ask your help in recruiting scientists for my program at EPA. At IARC we hired several excellent candidates recommended by Monograph experts, and I hope to replicate that here. Currently, we can fill the following positions, all in Arlington VA near Washington DC:

1. Cancer biologist/Toxicologist, GS-14, \$105-136k (closes 3 June)
2. Health scientist/Epidemiologist, GS-11/12/13, \$62-115k (closes 17 June)
3. Statistician, GS-12/13, \$74-115k (closes 7 June)
4. Biologist/Toxicologist, GS-11/12/13, \$62-115k (closes 17 June)

Interested candidates must apply thru the website <http://www.usajobs.opm.gov/>. Type "IRIS" into the keyword field and these four announcements should appear. Please ask candidates also to contact me so I will know they come recommended by a good source.

I wish you all well, and I hope our paths will cross again.

With warm regards,  
Vince Cogliano

Acting Director, Integrated Risk Information System (IRIS)  
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Message

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**From:** Chhabra, Raj (NIH/NIEHS) [E] **Personal Email / Ex. 6**  
**Sent:** 6/11/2011 1:29:05 AM  
**To:** Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**Subject:** RE: Recruiting scientists in my new job at EPA

Thanks for your quick response, I would be in touch with you when the candidates being trained are ready for next move. Even on a temporary basis experience at IRIS program would be of great value to them when they go back to their countries or are seeking sponsors/employers here in USA.

Raj

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From: Cogliano.Vincent@epamail.epa.gov [Cogliano.Vincent@epamail.epa.gov]  
Sent: Friday, June 10, 2011 4:24 PM  
To: Chhabra, Raj (NIH/NIEHS) [E]  
Subject: RE: Recruiting scientists in my new job at EPA

Hi Raj -- It was great hearing from you, too. I'm happy that you and NTP participate in IRIS interagency reviews.

EPA's hiring rules are different from those of NIH. We can hire only citizens. I believe that we can employ non-citizens on a temporary, post-doc-like basis, through the ORISE program administered by Oak Ridge.

With best wishes,  
Vince

Acting Director, Integrated Risk Information System (IRIS)  
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From: "Chhabra, Raj (NIH/NIEHS) [E]" <[b>Personal Email / Ex. 6>  
To: Vincent Cogliano/DC/USEPA/US@EPA  
Date: 06/10/2011 03:30 PM  
Subject: RE: Recruiting scientists in my new job at EPA

Hi Vince:

It was nice hearing from you and listening to you in our teleconference yesterday. Currently I am training two postdoctoral fellows in toxicology, both are foreign nationals and are on H-1B visa. They are being trained to design, monitor, interpret, and report the toxicology and carcinogenesis studies. They would be ready in next 12 months for a full time regular assignments. I am wondering if you have any openings for non-citizens at present or anticipate in the future. Please let me know, thanks.

With best wishes,

Raj  
Rajendra S. Chhabra, BVSc., PhD., DABT  
Director, Toxicology Training and Coordination  
National Toxicology Program  
NIEHS/NTP  
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Tel: 919-541-3386  
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-----Original Message-----

From: Cogliano.Vincent@epamail.epa.gov [mailto:Cogliano.Vincent@epamail.epa.gov]  
Sent: Thursday, May 26, 2011 8:26 PM  
To: afan@oehha.ca.gov; Agnes\_Kane@Brown.edu; Alavanja, Michael (NIH/NCI) [E]; Molinolo, Alfredo (NIH/NIDCR) [E]; Ruder, Avima M. (CDC/NIOSH/DSHEFS); Anderson, Lucy (NIH/NCI) [E]; annawu@hsc.usc.edu; antonvb@medicine.ufl.edu; ARuder@cdc.gov; awylie@umd.edu; b.baguley@auckland.ac.nz; Backinger, Cathy (NIH/NCI) [E]; bdgold@pitt.edu; Blair, Aaron (NIH/NCI) [V]; Blair, Donald (NIH/NCI) [E]; boslandm@uic.edu; Brown.James@epamail.epa.gov; brucea@health.usyd.edu.au; bugs@uchc.edu; bullrich@utmb.edu; Fowler, Bruce (ATSDR/DTEM/OD); cailin.ucla@gmail.com; Cantor, Kenneth (NIH/NCI) [C]; carl.barrett@novartis.com; carreota@ucmail.uc.edu; cdcarter@wmonline.com; CDeRosa@cdc.gov; Chan, Po (NIH/NIEHS) [E]; Chhabra, Raj (NIH/NIEHS) [E]; costa.dan@epa.gov; dl58s@nih.gov; david.blask@bassett.org; david.eastmond@ucr.edu; david.richardson@unc.edu; david.savitz@mssm.edu; David\_Kaufman@med.unc.edu; dbarnes@worldbank.org; dbthomas@fhcrc.org; dcrabb@iupui.edu; ddittmer@med.unc.edu; demarini.david@epa.gov; dgallowa@fhcrc.org; djb3@columbia.edu; dl58s@nih.gov; drjameson@embarqmail.com; droy@fiu.edu; [Personal Email / Ex. 6] ebarrettconnor@ucsd.edu; ecavalie@unmc.edu; ecesarm@med.cornell.edu; edelzell@uab.edu; fonth@isuhs.edu; EK\_Jaffe@fccc.edu; ekuempel@cdc.gov; elfarra@svm.vetmed.wisc.edu; elizabeth.ward@cancer.org; [Personal Email / Ex. 6] Erhard.X.Haus@HealthPartners.Com; eva.schernhammer@channing.harvard.edu; faustman@u.washington.edu; Flowers.Lynn@epa.gov; Beland, Frederick (FDA/NCTR); Beane-Freeman, Laura (NIH/NCI) [E]; frice@cdc.gov; fritz.parl@vanderbilt.edu; fstanczyk@socal.rr.com; [Personal Email / Ex. 6] garnet@whi.org; gary.stoner@osumc.edu; Giuliano@moffitt.usf.edu; hal2@cdc.gov; harold\_freeman@ncsu.edu; hauptmann@nih.gov; hecht002@umn.edu; Herbert, Ron (NIH/NIEHS) [E]; herrick@hohp.harvard.edu; hlnlead@pitt.edu; hmukhtar@wisc.edu; hoel@umsc.edu; Pogribny, Igor (FDA/NCTR); ivan\_rusyn@unc.edu; janet.arey@ucr.edu; jburgess@email.arizona.edu; [Personal Email / Ex. 6] jg65y@nih.gov; jgroopma@jhsph.edu; Jjnot.Jennifer@epa.gov; jjzhang@eoehsi.rutgers.edu; jlewtas@u.washington.edu; joelp@medicine.ucsf.edu; joseph.buell@louisville.edu; jr332@georgetown.edu; jsamet@usc.edu; jteta@exponent.com; [Personal Email / Ex. 6] j; judy.bolton@uic.edu; kchung@memphis.edu; krksmith@berkeley.edu; lambert@oncology.wisc.edu; lemastgj@ucmail.uc.edu; linda.t.titus-ernstoff@dartmouth.edu; Bennett, L. Michelle (NIH/NHLBI) [E]; lstayner@uic.edu; Lunn, Ruth (NIH/NIEHS) [E]; lwallace73@comcast.net; lzeise@oehha.ca.gov; maarten.bosland@med.nyu.edu; margaret.karagas@dartmouth.edu; martynts@berkeley.edu; Attfield, Michael D. (CDC/NIOSH/DRDS); mfriesen@jhsph.edu; michael.elwell@covance.com; Thun, Michael (NIH/NCI); mitchelr@aetl.ca; mreed@lrri.org; msen@socy.umd.edu; mtoraason@cdc.gov; murphy@ucsf.edu; nesnow.stephen@epa.gov; nmuellet@hsph.harvard.edu; nsteen1@sph.emory.edu; pab@uclink4.berkeley.edu; Schulte, Paul A. (CDC/NIOSH/EID); pdterry@emory.edu; penning@pharm.med.upenn.edu; phil.landrigan@mssm.edu; [Personal Email / Ex. 6]; Brooks, PJ (NIH/NIAAA) [E]; pnnewcomb@fhcrc.org; polanda@mail.nih.gov; Portier, Christopher J (NIH/NIEHS) [E]; preuss.peter@epa.gov; quingl@mail.nih.gov; rconolly@ciit.org; renne@battelle.org; rguilmette@lrri.org; rhenders@lrri.org; richard.b.hayes@nyumc.org; [Personal Email / Ex. 6] rossman@env.med.nyu.edu; Rothman, Nat (NIH/NCI) [E]; Roycroft, Joe (NIH/NIEHS) [E]; rstafford@stanford.edu; runnegar@usc.edu; rxt07@health.state.ny.us; sasma@cdc.gov; sburchiel@salud.unm.edu; Schiffer, Charles; Schiffman, Mark (NIH/NCI) [E]; sdavis@fhcrc.org; sgapstur@northwestern.edu; shaslam@msu.edu; Sinha, Rashmi (NIH/NCI) [E]; smirvish@unmc.edu; snielsen@fhcrc.org; solin@ilsu.org; sstuver@bu.edu; steven\_moss@brown.edu; stewart@epndce.nih.gov; stomar@dental.ufl.edu; stoner.21@osu.edu; Strickle@aecom.yu.edu; sue.Hankinson@channing.harvard.edu; t.shimada@vanderbilt.edu; TCarreonValencia@cdc.gov; Carreon-Valencia, Tania (CDC/NIOSH/DSHEFS); tjunghans@tech-res.com; tongzhang.zheng@yale.edu; [Personal Email / Ex. 6] vwalker@lrri.org; Waalkes, Mike (NIH/NIEHS) [E]; ward, Mary (NIH/NCI) [E]; whitby, Denise (NIH/NCI) [C]; winn, Debbie (NIH/NCI) [E]; wishnok@mit.edu; wolf.doug@epa.gov; wolfe, Mary (NIH/NIEHS) [E]; Wong, May (NIH/NINDS) [E]; wpickwo@intra.nida.nih.gov; wwillet@hsph.harvard.edu; Wu, Xifeng; yawei.zhang@yale.edu; yong.zhu@yale.edu; Schubauer-Berigan, Mary K. (CDC/NIOSH/DSHEFS);

zensertv@slu.edu; zfzhang@ucla.edu; ab.miller@sympatico.ca;  
baril.marc@irsst.qc.ca; claire.austin@nrc-cnrc.gc.ca;  
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Guosheng.Chen@ene.gov.on.ca; j.siemiatycki@umontreal.ca;  
kannan.krishnan@umontreal.ca; Kathy\_Hughes@hc-sc.gc.ca;  
michel.gerin@umontreal.ca; mitchelr@aecl.ca;  
patrick.levallouis@msp.ulaval.ca; Paul.White@hc-sc.gc.ca;  
pdemers@interchange.ubc.ca; priestn@aecl.ca  
Subject: Recruiting scientists in my new job at EPA

Dear colleagues,

I hope this message finds you well. You may have heard that I left IARC and now direct the chemical risk assessment program at the U.S. Environmental Protection Agency. Although it's good to return home, I miss IARC, I miss living in France, and I miss interacting with the world-class experts we invited to Monograph meetings.

I'm writing to ask your help in recruiting scientists for my program at EPA. At IARC we hired several excellent candidates recommended by Monograph experts, and I hope to replicate that here. Currently, we can fill the following positions, all in Arlington VA near Washington DC:

1. Cancer biologist/Toxicologist, GS-14, \$105-136k (closes 3 June)
2. Health scientist/Epidemiologist, GS-11/12/13, \$62-115k (closes 17 June)
3. Statistician, GS-12/13, \$74-115k (closes 7 June)
4. Biologist/Toxicologist, GS-11/12/13, \$62-115k (closes 17 June)

Interested candidates must apply thru the website <http://www.usajobs.opm.gov/>. Type "IRIS" into the keyword field and these four announcements should appear. Please ask candidates also to contact me so I will know they come recommended by a good source.

I wish you all well, and I hope our paths will cross again.

With warm regards,  
Vince Coglianò

Acting Director, Integrated Risk Information System (IRIS)  
National Center for Environmental Assessment  
U.S. Environmental Protection Agency  
1200 Pennsylvania Ave NW (8601P)  
Washington DC 20460

courier delivery: 2733 S Crystal Dr (N-7663); Arlington VA 22202

tel 703-347-0220; fax 703-347-8689

Message

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**From:** Cogliano, Vincent [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=51F2736376AC4D32BAD2FE7CFEF2886B-COGLIANO, VINCENT]  
**Sent:** 6/7/2011 10:19:32 PM  
**To:** Tie, Yunfeng (Tracy) (ATSDR/DTEM/OD) (CTR) [hzu3@cdc.gov]  
**Subject:** RE: Recruiting scientists in my new job at EPA

Dear Tracy -- Thank you for your interest in joining the IRIS program. If you have completed an application through USAjobs, that's all you need ... I wish you well.

Best regards,  
Vince Cogliano

Acting Director, Integrated Risk Information System (IRIS)  
National Center for Environmental Assessment  
U.S. Environmental Protection Agency  
1200 Pennsylvania Ave NW (8601P)  
Washington DC 20460

courier delivery: 2733 S Crystal Dr (N-7663); Arlington VA 22202

tel 703-347-0220; fax 703-347-8689

**From:** "Tie, Yunfeng (Tracy) (ATSDR/DTEM/OD) (CTR)" <[REDACTED]>  
**To:** Vincent Cogliano/DC/USEPA/US@EPA  
**Date:** 06/07/2011 10:30 AM  
**Subject:** RE: Recruiting scientists in my new job at EPA

Personal Email / Ex. 6

Hi Dr. Cogliano,

**Personal Email / Ex. 6**

Sincerely  
Tracy

-----Original Message-----

**From:** Fowler, Bruce (ATSDR/DTEM/OD)  
**Sent:** Friday, May 27, 2011 9:43 AM  
**To:** ATSDR All DTEM  
**Subject:** FW: Recruiting scientists in my new job at EPA

Hi All:

This is an FYI - Dr. Cogliano apparently has 3 positions open - a couple at the entry level. Check it out if interested. I will be happy to write letters of reference if needed.

Best regards to all.  
Bruce

PS: Great party yesterday and I am going to miss all of you.

-----Original Message-----



From: Cogliano.Vincent@epamail.epa.gov [mailto:Cogliano.Vincent@epamail.epa.gov]  
Sent: Thursday, May 26, 2011 8:26 PM  
To: afan@oehha.ca.gov; Agnes\_Kane@Brown.edu; alavanjm@mail.nih.gov; amolinol@nidcr.nih.gov;  
Ruder, Avima M. (CDC/NIOSH/DSHEFS); andersol@ncifcrf.gov; annawu@hsc.usc.edu;  
antonvb@medicine.ufl.edu; Ruder, Avima M. (CDC/NIOSH/DSHEFS); awylie@umd.edu;  
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blaird@mail.nih.gov; boslandm@uic.edu; Brown.James@epamail.epa.gov;  
brucea@health.usyd.edu.au; bugs@uchc.edu; bullrich@utmb.edu; Fowler, Bruce (ATSDR/DTEM/OD);  
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Chhabrar@NIEHS.NIH.Gov; costa.dan@epa.gov; dl58S@nih.gov; david.blask@bassett.org;  
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David\_Kaufman@med.unc.edu; dbarnes@worldbank.org; dbthomas@fhcrc.org; dcrabb@iupui.edu;  
ddittmer@med.unc.edu; demarini.david@epa.gov; dgallowa@fhcrc.org; djb3@columbia.edu;  
dl58S@nih.gov; drjameson@embarqmail.com; droy@fiu.edu; **Personal Email / Ex. 6**;  
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faustman@u.washington.edu; Flowers.Lynn@epa.gov; Beland, Frederick A. (FDA/NCTR/OCS);  
freemala@mail.nih.gov; Rice, Faye L. (CDC/NIOSH/EID); fritz.parl@Vanderbilt.edu;  
fstanczyk@socal.rr.com; **Personal Email / Ex. 6**; garnet@whi.org;  
gary.stoner@osumc.edu; Giuliano@moftitt.usf.edu; hal2@cdc.gov; harold\_freeman@ncsu.edu;  
hauptmann@nih.gov; hecht002@umn.edu; herbertl@niehs.nih.gov; herrick@hohp.harvard.edu;  
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ivan\_rusyn@unc.edu; janet.arey@ucr.edu; jburgess@email.arizona.edu;  
**Personal Email / Ex. 6**; jg65y@nih.gov; jgroopma@jhsph.edu; Jinot.Jennifer@epa.gov;  
jjzhang@eoehsi.rutgers.edu; jlewtas@u.washington.edu; joelp@medicine.ucsf.edu;  
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lmbennett@nih.gov; lstayner@uic.edu; lunn@niehs.nih.gov; lwallace73@comcast.net;  
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msen@socy.umd.edu; Toraason, Mark A. (CDC/NIOSH/DART); murphy@ucsf.edu;  
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pab@uclink4.berkeley.edu; Schulte, Paul A. (CDC/NIOSH/EID); pdterry@emory.edu;  
penning@pharm.med.upenn.edu; phil.landrigan@mssm.edu; pinfante@starpower.net;  
pjb Brooks@mail.nih.gov; pnnewcomb@fhcrc.org; polanda@mail.nih.gov; portier@niehs.nih.gov;  
preuss.peter@epa.gov; quingl@mail.nih.gov; rconolly@ciit.org; renne@battelle.org;  
rguilmotte@lrri.org; rhenders@lrri.org; richard.b.hayes@nyumc.org; **Personal Email / Ex. 6**;  
rossman@env.med.nyu.edu; rothmann@mail.nih.gov; roycroft@niehs.nih.gov;  
rstafford@stanford.edu; runnegar@usc.edu; rxt07@health.state.ny.us; Asma, Samira  
(CDC/ONDIEH/NCCDPHP); sburchiel@salud.unm.edu; schiffer@karmanos.org;  
schiffmm@mail.nih.gov; sdavis@fhcrc.org; sgapstur@northwestern.edu; shaslam@msu.edu;  
sinhar@nih.gov; smirvish@unmc.edu; snielsen@fhcrc.org; solin@ilsi.org; sstuver@bu.edu;  
steven\_moss@brown.edu; stewart@epndce.nih.gov; Tomar, Scott (CDC dental.ufl.edu);  
stoner.21@osu.edu; Strickle@aeom.yu.edu; sue.Hankinson@channing.harvard.edu;  
t.shimada@vanderbilt.edu; Carreon-Valencia, Tania (CDC/NIOSH/DSHEFS); Carreon-Valencia,  
Tania (CDC/NIOSH/DSHEFS); tjunghans@tech-res.com; tongzhang.zheng@yale.edu;  
**Personal Email / Ex. 6**; vwalker@lrri.org; waalkes@niehs.nih.gov; wardm@mail.nih.gov;  
whitby@ncifcrf.gov; winnde@mail.nih.gov; wishnok@mit.edu; wolf.doug@epa.gov;  
wolfe@niehs.nih.gov; WongM@mail.nih.gov; wpickwo@intra.nida.nih.gov;  
wwillett@hsph.harvard.edu; xwu@mdanderson.org; yawei.zhang@yale.edu; yong.zhu@yale.edu;  
Schubauer-Berigan, Mary K. (CDC/NIOSH/DSHEFS); zensertv@slu.edu; zfzhang@ucla.edu;  
ab.miller@sympatico.ca; baril.marc@irsst.qc.ca; claire.austin@nrc-cnrc.gc.ca;  
dkrewski@uottawa.ca; eduardo.franco@mcgill.ca; Guosheng.Chen@ene.gov.on.ca;  
j.siemiatycki@umontreal.ca; kannan.krishnan@umontreal.ca; Kathy\_Hughes@hc-sc.gc.ca;  
michel.gerin@umontreal.ca; mitchelr@aecl.ca; patrick.levallouis@msp.ulaval.ca;  
Paul\_White@hc-sc.gc.ca; pdemers@interchange.ubc.ca; priestn@aecl.ca  
Subject: Recruiting scientists in my new job at EPA

Dear colleagues,

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I'm writing to ask your help in recruiting scientists for my program at EPA. At IARC we hired several excellent candidates recommended by Monograph experts, and I hope to replicate that here. Currently, we can fill the following positions, all in Arlington VA near Washington DC:

1. Cancer biologist/Toxicologist, GS-14, \$105-136k (closes 3 June)
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I wish you all well, and I hope our paths will cross again.

With warm regards,  
Vince Cogliano

Acting Director, Integrated Risk Information System (IRIS)  
National Center for Environmental Assessment  
U.S. Environmental Protection Agency  
1200 Pennsylvania Ave NW (8601P)  
Washington DC 20460

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tel 703-347-0220; fax 703-347-8689

[attachment "CV-yTie.pdf" deleted by Vincent Cogliano/DC/USEPA/US]

Message

**From:** Collar, Catharine J. (ATSDR/DTEM/OD) (CTR) Personal Email / Ex. 6  
**Sent:** 5/30/2011 9:59:30 PM  
**To:** Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**Subject:** Recruiting scientists in my new job at EPA  
**Attachments:** CollarResume04022011.pdf; CollarPublicationsPlus04292011.pdf

Dear Dr. Cogliano,

# Personal Email / Ex. 6

Thank you for your time and help.

All the best,  
Catharine

-----Original Message-----

**From:** Fowler, Bruce (ATSDR/DTEM/OD)  
**Sent:** Friday, May 27, 2011 9:43 AM  
**To:** ATSDR All DTEM  
**Subject:** FW: Recruiting scientists in my new job at EPA

Hi All:

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Best regards to all.  
Bruce

PS: Great party yesterday and I am going to miss all of you.

-----Original Message-----

**From:** Cogliano.Vincent@epamail.epa.gov [mailto:Cogliano.Vincent@epamail.epa.gov]  
**Sent:** Thursday, May 26, 2011 8:26 PM  
**To:** afan@oehha.ca.gov; Agnes\_Kane@Brown.edu; alavanjm@mail.nih.gov; amolinol@nidcr.nih.gov; Ruder, Avima M. (CDC/NIOSH/DSHEFS); andersol@ncifcrf.gov; annawu@hsc.usc.edu; antonvb@medicine.ufl.edu; Ruder, Avima M. (CDC/NIOSH/DSHEFS); awylie@umd.edu; b.baguley@auckland.ac.nz; Backingc@mail.nih.gov; bdgold@pitt.edu; blaira@mail.nih.gov; blaird@mail.nih.gov; boslandm@uic.edu; Brown.James@epamail.epa.gov; brucea@health.usyd.edu.au; bugs@uchc.edu; bullrich@utmb.edu; Fowler, Bruce (ATSDR/DTEM/OD); cailin.ucla@gmail.com; cantork@exchange.nih.gov; carl.barrett@novartis.com; carreota@ucmail.uc.edu; cdcarter@wmonline.com; CDeRosa@cdc.gov; chanp@niehs.nih.gov; Chhabrar@NIEHS.NIH.Gov; costa.dan@epa.gov; dl58S@nih.gov; david.blask@bassett.org; david.eastmond@ucr.edu; david.richardson@unc.edu; david.savitz@mssm.edu; David\_Kaufman@med.unc.edu; dbarnes@worldbank.org; dbthomas@fhcrc.org; dcrabb@iupui.edu; ddittmer@med.unc.edu; demarini.david@epa.gov; dmallova@fhcrc.org; djb3@columbia.edu; dl58S@nih.gov; drjameson@embarqmail.com; droy@fiu.edu; Personal Email / Ex. 6; ebarrettconnor@ucsd.edu; ecavalie@unmc.edu; ecesarm@med.cornell.edu; edelzell@uab.edu; Personal Email / Ex. 6; EK\_Jaffe@fcc.edu; Kuempel, Eileen (CDC/NIOSH/EID); elfarra@svm.vetmed.wisc.edu; elizabeth.ward@cancer.org; Personal Email / Ex. 6; Erhard.X.Haus@HealthPartners.Com; eva.schernhammer@channing.harvard.edu; Faustman@u.washington.edu; Flowers.Lynn@epa.gov; Beland, Frederick A. (FDA/NCTR/OCS); freemala@mail.nih.gov; Rice, Faye L. (CDC/NIOSH/EID); fritz.parl@vanderbilt.edu; fstanczyk@social.rr.com; fwsundermanjr@compuserve.com; garnet@whi.org; gary.stoner@osumc.edu; Giuliano@moffitt.usf.edu; hal2@cdc.gov; harold\_freeman@ncsu.edu; hauptmann@nih.gov; hecht002@umn.edu; herbert1@niehs.nih.gov; herrick@hohp.harvard.edu; hlnlead@pitt.edu; hmukhtar@wisc.edu; hoel@umsc.edu; Pogribny, Igor P. (FDA/NCTR/OCS); ivan.rusyn@unc.edu; janet.arey@ucr.edu; jburgess@email.arizona.edu; Personal Email / Ex. 6; jg65y@nih.gov; jgroopma@jhsp.edu; Jinot.Jennifer@epa.gov; jzhang@onsi.rutgers.edu; jlewatas@u.washington.edu; joelp@medicine.ucsf.edu; joseph.buell@louisville.edu; jr332@georgetown.edu; jsamet@usc.edu; jteta@exponent.com; jtrehm@aol.com; judy.bolton@uic.edu; kchung@memphis.edu; krksmith@berkeley.edu; lambert@oncology.wisc.edu; lemastgj@ucmail.uc.edu; linda.t.titus-ernstoff@dartmouth.edu; lmbennett@nih.gov; lstayner@uic.edu; lunn@niehs.nih.gov; lwallace73@comcast.net; lzeise@oehha.ca.gov; maarten.bosland@med.nyu.edu; margaret.karagas@dartmouth.edu; martynts@berkeley.edu; Attfield, Michael D. (CDC/NIOSH/DRDS); mfriesen@jhsp.edu; michael.elwell@covance.com; michael.thun@cancer.org; mitchelr@aecl.ca; mreed@lrri.org; msen@socy.umd.edu; Toraason, Mark A. (CDC/NIOSH/DART); murphy@ucsf.edu;

nesnow.stephen@epa.gov; nmuellet@hsph.harvard.edu; nsteen1@sph.emory.edu; pab@uclink4.berkeley.edu; Schulte, Paul A. (CDC/NIOSH/EID); pdterry@emory.edu; penning@pharm.med.upenn.edu; phil.landrigan@mssm.edu; pinfante@starpower.net; pjb Brooks@mail.nih.gov; pnnewcomb@fhcrc.org; polanda@mail.nih.gov; portier@niehs.nih.gov; preuss.peter@epa.gov; quingl@mail.nih.gov; rconolly@ciit.org; renne@battelle.org; rguilmette@lrri.org; rhenders@lrri.org; richard.b.hayes@nyumc.org; **Personal Email / Ex. 6** rossman@env.med.nyu.edu; rothmann@mail.nih.gov; roycroft@niehs.nih.gov; rstarrford@stanford.edu; runnegar@usc.edu; rxt07@health.state.ny.us; Asma, Samira (CDC/ONDIEH/NCCDPHP); sburchiel@salud.unm.edu; schiffer@karmanos.org; schiffmm@mail.nih.gov; sdavis@fhcrc.org; sgapstur@northwestern.edu; shaslam@msu.edu; sinhar@nih.gov; smirvish@unmc.edu; snielsen@fhcrc.org; solin@ilsil.org; sstuver@bu.edu; steven\_moss@brown.edu; stewart@epndce.nih.gov; Tomar, Scott (CDC dental.ufl.edu); stoner.21@osu.edu; Strickle@aecom.yu.edu; sue.Hankinson@channing.harvard.edu; t.shimada@vanderbilt.edu; Carreon-Valencia, Tania (CDC/NIOSH/DSHEFS); Carreon-Valencia, Tania (CDC/NIOSH/DSHEFS); tjunghans@tech-res.com; tongzhang.zheng@yale.edu; toxcon@earthlink.net; vwalker@lrri.org; waalkes@niehs.nih.gov; wardm@mail.nih.gov; whitbyd@ncifcrf.gov; winnde@mail.nih.gov; wishnok@mit.edu; wolf.doug@epa.gov; wolfe@niehs.nih.gov; WongM@mail.nih.gov; wpickwo@intra.nida.nih.gov; willett@hsph.harvard.edu; xwu@mdanderson.org; yawei.zhang@yale.edu; yong.zhu@yale.edu; Schubauer-Berigan, Mary K. (CDC/NIOSH/DSHEFS); zensertv@slu.edu; zfzhang@ucla.edu; ab.miller@sympatico.ca; baril.marc@irsst.qc.ca; claire.austin@nrc-cnrc.gc.ca; dkrewski@uottawa.ca; eduardo.franco@mcgill.ca; Guosheng.Chen@ene.gov.on.ca; j.siemiatycki@umontreal.ca; kannan.krishnan@umontreal.ca; Kathy\_Hughes@hsc.gc.ca; michel.gerin@umontreal.ca; mitchelr@aec1.ca; patrick.levallouis@msp.ulaval.ca; Paul\_white@hsc-sc.gc.ca; pdemers@interchange.ubc.ca; priestn@aec1.ca  
Subject: Recruiting scientists in my new job at EPA

Dear colleagues,

I hope this message finds you well. You may have heard that I left IARC and now direct the chemical risk assessment program at the U.S. Environmental Protection Agency. Although it's good to return home, I miss IARC, I miss living in France, and I miss interacting with the world-class experts we invited to Monograph meetings.

I'm writing to ask your help in recruiting scientists for my program at EPA. At IARC we hired several excellent candidates recommended by Monograph experts, and I hope to replicate that here. Currently, we can fill the following positions, all in Arlington VA near Washington DC:

1. Cancer biologist/Toxicologist, GS-14, \$105-136k (closes 3 June)
2. Health scientist/Epidemiologist, GS-11/12/13, \$62-115k (closes 17 June)
3. Statistician, GS-12/13, \$74-115k (closes 7 June)
4. Biologist/Toxicologist, GS-11/12/13, \$62-115k (closes 17 June)

Interested candidates must apply thru the website <http://www.usajobs.opm.gov/>. Type "IRIS" into the keyword field and these four announcements should appear. Please ask candidates also to contact me so I will know they come recommended by a good source.

I wish you all well, and I hope our paths will cross again.

With warm regards,  
Vince Coglianò

Acting Director, Integrated Risk Information System (IRIS)  
National Center for Environmental Assessment  
U.S. Environmental Protection Agency  
1200 Pennsylvania Ave NW (8601P)  
Washington DC 20460

courier delivery: 2733 S Crystal Dr (N-7663); Arlington VA 22202

tel 703-347-0220; fax 703-347-8689

Message

**From:** kevin.bromberg@sba.gov [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A79A0F905CDA421984B3523EA0BEAF85-KEVIN.BROMBERG@SBA.GOV]  
**Sent:** 6/6/2011 8:34:01 PM  
**To:** IRISinteragency [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ebdcd47aa94d442c8ffaa46f6d1f5123-IRISinterag]  
**Subject:** RE: NCEA Interagency Communication #123 (Transmission of revised draft acrylonitrile information)

Was this sent today? It came thru the SBA police?

-----Original Message-----

From: Birchfield, Norman@epamail.epa.gov [mailto: Birchfield.Norman@epamail.epa.gov] On Behalf Of

**Personal Email / Ex. 6**

Sent: Monday, June 06, 2011 4:32 PM

To: Anita.K.Meyer@usace.army.mil; Camille.Mittelholtz@dot.gov; chris.colburn@nrc.gov; Daniel.Cohen@hq.doe.gov; **Personal Email / Ex. 6**; Pagan-Rodriguez, Doritza; Edens.Mandy@dol.gov; Elizabeth.Kohl@hq.doe.gov; gregory.trussell@nrc.gov; james.leatherwood-1@nasa.gov; **Personal Email / Ex. 6**; jdm@nrc.gov; Bromberg, Kevin L.; KHatlelid@cpsc.gov; Linda.S.Wennerberg@nasa.gov; mark.j.schoppet@nasa.gov; Michael.Hodgson@va.gov; Michael.Kuperberg@science.doe.gov; Beck, Nancy; Bennett, Patty; Rodan, Bruce; Paul.Yaroschak@osd.mil; Perry.Bill@dol.gov; Sandra.Howard@HHS.GOV; Shannon.Cunniff@osd.mil; sherri.hutchens@us.army.mil; Fong, Tera L.; tremaine.donnell@nrc.gov; tthomas@cpsc.gov; birchfield.Norman@epa.gov; poster@nist.gov; Patel, Manisha; Miller, Gregory  
Cc: IRISInterAgency@epamail.epa.gov  
Subject: NCEA Interagency Communication #123 (Transmission of revised draft acrylonitrile information)

Dear Interagency Colleagues:

# Deliberative Process / Ex. 5

Thank you for your support of the IRIS Program.

Norm

Highlighted text:  
(See attached file: Selected sections and highlights of EPR draft ACN  
TR.pdf)

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Norman Birchfield, Ph.D.  
National Center for Environmental Assessment Office of Research and Development U.S. EPA  
Phone: (703) 347-0174

Message

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**From:** Cogliano, Vincent [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=51F2736376AC4D32BAD2FE7CFEF2886B-COGLIANO, VINCENT]  
**Sent:** 4/1/2011 7:28:18 PM  
**To:** Everhart, Cheryl (ATSDR/OA/OD) [bqf5@cdc.gov]  
**CC:** Portier, Christopher (CDC/ONDIEH/NCEH) [cip7@cdc.gov]  
**Subject:** Re: Article- New Director at EPA Plans Shakeup of Laggard Chemical-Risk System

Thanks, Cheryl and Chris! Another way to find the article is a Google search of cogliano+laggard -- Warm regards, Vince

**From:** "Everhart, Cheryl (ATSDR/OA/OD)" <Personal Matters / Ex. 6>  
**To:** Vincent Cogliano/DC/USEPA/US@EPA  
**Cc:** "Portier, Christopher (CDC/ONDIEH/NCEH)" <cip7@cdc.gov>  
**Date:** 03/31/2011 07:42 PM  
**Subject:** Article- New Director at EPA Plans Shakeup of Laggard Chemical-Risk System

Dr. Cogliano,

Dr. Portier asked that I forward this article to you. Enjoy!!!

Have a great evening.

Cheryl Everhart  
Executive Assistant to Dr. Christopher Portier  
National Center for Environmental Health/  
Agency for Toxic Substances and Disease Registry  
Office: 770-488-0636  
Fax: 770-488-3385  
E-Mail: <Personal Matters / Ex. 6>

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**From:** Portier, Christopher (CDC/ONDIEH/NCEH)  
**Sent:** Thursday, March 31, 2011 6:21 PM  
**To:** Everhart, Cheryl (ATSDR/OA/OD)  
**Subject:** Please send to Vincent Cogliano

Article Date: Wednesday, March 30, 2011

Posted On: Thursday, March 31, 2011

News Source: New York Times, New York, NY

New Director at EPA Plans Shakeup of Laggard Chemical-Risk System  
By JEREMY P. JACOBS of Greenwire

One of the most important U.S. EPA officials is somebody you probably don't know.

Vincent Cogliano is the new acting director of the Integrated Risk Information System, or IRIS, which assesses health risks posed by -- you name it -- automobile exhaust, tobacco smoke, chemicals in drinking water. EPA uses the assessments to guide its regulation writing, the focus of intense scrutiny these days on Capitol Hill.

IRIS, Cogliano said, is "kind of the center of everything EPA does scientifically."

"IRIS is EPA's program to evaluate scientific information on the adverse health effects of chemical contaminants in the environment," he said. "IRIS contains information on more than 500 chemicals and is consulted by scientists and decisionmaking officials in EPA and other environmental health agencies worldwide."

EPA hired Cogliano -- a 59-year-old Washington, D.C., native, who had worked at EPA early in his career -- from the World Health Organization, where for the last seven years he directed the International Agency for Research on Cancer (IARC) in Lyon, France.

Some of Cogliano's IARC work grabbed headlines. His 2007 report suggesting that women who work through the night are more at risk for cancer led to labor disputes and Denmark employers increasing compensation for women who developed cancer while working night shifts. And then there was a 2009 IARC report linking tanning beds to cancer.

Asked whether EPA can expect such flashy reports from a program few Americans have heard of, he replied, "I won't be looking to do things like that. I think things like that are going to find us."

As examples, Cogliano pointed to IRIS's ongoing assessments of hexavalent chromium, the controversial water contaminant made famous by the 2000 blockbuster movie, "Erin Brockovich." IRIS is also reviewing the effects of inhaling formaldehyde, a common substance in tobacco smoke and automobile exhaust.

The program that Cogliano took over last November has long been dismissed by environmental watchdogs as weak and slow, as evidenced by a large and venerable backlog of chemicals awaiting evaluations. It is also less than well-regarded by the Government Accountability Office, which listed IRIS among "high risk" troubled federal programs (Greenwire, Feb. 16).

Cogliano has plans for revamping IRIS, including streamlining its process for assessing chemicals and making plans to analyze substances that might present future health risks.

His zeal for reforming the program has environmentalists cheering.

"Dr. Cogliano is the right person at the right time for this monumental task," said Jennifer Sass, a senior scientist at the Natural Resources Defense Council. "IRIS not only needs to ramp up its pace of completing assessments, but it has to update its science to be responsive to many of the recommendations of the National Academies reports."

Sass added that the National Academy of Sciences has advocated using science-based factors to adjust studies and account for data gaps, kids' exposures and other uncertainties -- all recommendations that Sass said IRIS should follow.



'Very good leadership skills'

Cogliano is a numbers guy with a doctorate from Cornell University in operations research, which he describes as "like applied mathematics." He got a bachelor's in math at Catholic University in Washington and pursued a graduate degree also in math at the University of Michigan.

After grad school, Cogliano spent a couple years at IBM before heading to EPA. He was immediately drawn to risk assessment, he said, because it lies at the center of EPA's scientific work.

Cogliano spent 20 years at EPA immersed in toxicology reports that applied to every arm of the agency and learning how the agency sets standards. He says he worked with just about every program office across the country and the enforcement during that time.

"It really was a very broadening experience," he said. "I got to know everyone."

From EPA, Cogliano went to IARC where he set out to repair the reputation of its Monographs program, which is tasked with identifying environmental factors that increase cancer risks. The program, several scientists said, had become an afterthought in the field before Cogliano arrived.

Cogliano reworked the program. He retooled it, streamlined it and aimed it at the most pressing cancer issues.

"He just did an outstanding job pulling together IARC and giving it increased visibility," said Bruce Fowler of the Center for Disease Control's Agency for Toxic Substances and Disease Registry.

Cogliano also sought to increase IARC's transparency and was particularly effective in corralling scientists to reach concrete, scientifically sound results.

"He has very good leadership skills," said Bernard Goldstein, a professor of occupational and environmental health at the University of Pittsburgh, who has known Cogliano since his first stint at EPA. "He's very good at getting the scientific community to answer the questions that need to be answered."

Cogliano's personality played a large role in his success at IARC, Fowler added.

"He has a very low profile and personality," he said. "He is very smooth, very polite and thoughtful, but he moves with purpose."

IRIS goals

While Cogliano misses a lot about living in France -- being able to live without a car, for one -- he said he is happy to be back at EPA and leading IRIS.

"There is a lot of scrutiny on what IRIS does," he said. "And that scrutiny has taken the form of a lot of oversight and that oversight has the form of a lot of review, a lot of looping back for additional comments."

The process for finalizing assessments of chemicals has been changed, he said, but there is still room for improvement.

Specifically, he said, IRIS documents are long and repetitive, making them "cumbersome to navigate."

"I would hope," he said, "that we can develop them in shorter time periods, people can review them in shorter time periods and we have perhaps more focused discussions of the real issues."

Cogliano will also be looking to expand the types of substances IRIS evaluates.

He noted that IRIS will need to evaluate how exposure to multiple chemicals affects human health cumulatively -- instead of one chemical at a time.

Further, he also wants to study the health effects of nanomaterials, which are roughly 100,000 times thinner than a strand of hair. Nanotechnology is now being used in a wide range of products -- including bicycle frames, paint, clothing and infant pacifiers -- but little is known about its potential health effects.

Cogliano also wants to take a proactive approach to identifying new substances that should be evaluated. The goal, he said, is to identify problem chemicals and substances before it is too late.

"We'll be looking," he said, "at what the environmental problems of the next decades will be and identifying chemicals that will kind of come out of nowhere and all of the sudden be found in everybody's body tissues."

Message

**From:** Linnenbrink, Monica [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=01F59A3F644B4C4EB2B74561B4B654D1-LINNENBRINK, MONICA]  
**Sent:** 7/13/2011 7:18:07 PM  
**To:** CN=Audrey Hoffer/OU=DC/O=USEPA/C=US@EPA; Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]; Joanne Rodman [Rodman.JoanneLNDU@usepa.onmicrosoft.com]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; Deener, Kathleen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b9a2ff1c086249ea8f6414afde8a5e54-Deener, Kathleen]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Barone, Stan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a4f8618acba418da24c110f3123a2af-Barone, Stan]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Teichman, Kevin [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=20074f3f79c444a4b324cfbb890c7f56-Teichman, Kevin]; Kadeli, Lek [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=39efee1e9a134afcbfdbe386067c3462-Kadeli, Lek]; CN=Paul Anastas/OU=DC/O=USEPA/C=US@EPA; Becky Fried [Fried.BeckyLNDU@usepa.onmicrosoft.com]  
**Subject:** IRIS Hearing  
**Attachments:** 2011 07 12 Bollwage Testimony Attachment.pdf; 2011 07 12 Charnley Testimony.pdf; 2011 07 12 Steinzor Testimony.pdf; 2011 07 12 Dooley Testimony.pdf

Hi all,

Attached are the testimonies for the other witnesses tomorrow.



2011 07 12  
Bollwage Testim...



2011 07 12  
Charnley Testim...



2011 07 12  
Steinzor Testimo...



2011 07 12 Dooley  
Testimony.pdf

Monica Linnenbrink  
U.S. Environmental Protection Agency  
Office of Congressional and Intergovernmental Relations  
Phone: 202-564-6407  
Blackberry: Personal Email / Ex. 6  
Email: Linnenbrink.Monica@epa.gov

Message

---

**From:** Cogliano, Vincent [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=51F2736376AC4D32BAD2FE7CFEF2886B-COGLIANO, VINCENT]  
**Sent:** 2/14/2011 2:33:19 PM  
**To:** Everhart, Cheryl (ATSDR/OA/OD) [bqf5@cdc.gov]  
**BCC:** Cogliano, Gerain [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4ba589a367194efd92030bfbe891a298-Cogliano, Gerain]  
**Subject:** Re: Meeting for Lunch with Dr. Portier on Tuesday, 2/15/2011

Dear Cheryl -- This will work well for me. I'm looking forward to seeing Chris ... I notice you sent this Friday evening. Thanks for getting this information to me. Best regards, Vince

From: "Everhart, Cheryl" **Personal Matters / Ex. 6**  
To: Vincent Cogliano/DC/USEPA/US@EPA  
Date: 02/11/2011 09:40 PM  
Subject: Meeting for Lunch with Dr. Portier on Tuesday, 2/15/2011

Dr. Cogliano,

Hope you have had a good week and are ready for a great weekend.

Just wanted to finalize your luncheon plans with Dr. Portier on Tuesday.

Dr. Portier would like for you to meet him in the lobby of the JW Marriott, 1331 Pennsylvania Ave, at 12:30 then have lunch till 1:30 (location to be decided by both of you).

Please let me know if this will work for you.

Thank you!

Cheryl Everhart  
Executive Assistant to Dr. Christopher Portier  
National Center for Environmental Health/  
Agency for Toxic Substances and Disease Registry  
Office: 770-488-0636  
Fax: 770-488-3385  
E-Mail: b **Personal Matters / Ex. 6**

Message

**From:** Kadry, Abdel-Razak [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=ACB325507BF7451B9735813CFDE5E417-KADRY, ABDEL-RAZAK]  
**Sent:** 11/24/2010 2:14:51 PM  
**To:** Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]  
**CC:** Gatchett, Annette [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f12d699a71f84e21bddbb876dae7f96c-Gatchett, Annette]; Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Jones, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eac77fe3b20c4667b8c534c90c15a830-Jones, Samantha]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**Subject:** Re: Fw: Checking in on Ramazzini

Hi Becki:

# Deliberative Process / Ex. 5

Abdel

Abdel-Razak Kadry, DVM, PhD, DABT  
Senior Advisor for Scientific Organizational  
Development and International Activities  
U.S. Environmental Protection Agency  
Office of Research and Development  
National Center for Environmental Assessment (8601-P)  
1200 Pennsylvania Ave. NW  
Washington, DC 20460  
Telephone: 703-347-8545  
FAX: 703-347-8689

**From:** Becki Clark/DC/USEPA/US  
**To:** Lynn Flowers/DC/USEPA/US@EPA, Samantha Jones/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA, John Vandenberg/RTP/USEPA/US@EPA, David Bussard/DC/USEPA/US@EPA, Annette Gatchett/CI/USEPA/US@EPA, Abdel Kadry/DC/USEPA/US@EPA  
**Date:** 11/24/2010 08:30 AM  
**Subject:** Fw: Checking in on Ramazzini

What John suggests about vinyl chloride seems reasonable. Any thoughts?

Becki Clark  
Acting Director  
National Center for Environmental Assessment  
(703) 347-8551

----- Forwarded by Becki Clark/DC/USEPA/US on 11/24/2010 08:28 AM -----

From: "Bucher, John (NIH/NIEHS) [E]" <bucher@niehs.nih.gov>  
To: Becki Clark/DC/USEPA/US@EPA  
Date: 11/23/2010 06:09 PM  
Subject: Re: Checking in on Ramazzini

# Deliberative Process / Ex. 5

On 11/10/10 5:12 PM, "Clark.Beki@epamail.epa.gov" <Clark.Beki@epamail.epa.gov> wrote:

Great, thanks.

-----  
Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: "Bucher, John (NIH/NIEHS) [E]" [bucher@niehs.nih.gov]  
Sent: 11/10/2010 05:09 PM EST  
To: Becki Clark  
Subject: Re: Checking in on Ramazzini

1:00 works for me. I'll call you.

On 11/10/10 5:07 PM, "Clark.Beki@epamail.epa.gov" <Clark.Beki@epamail.epa.gov> wrote:

How about either 10 am or 1 pm on Tuesday?

-----  
Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: "Bucher, John (NIH/NIEHS) [E]" [bucher@niehs.nih.gov]  
Sent: 11/10/2010 05:03 PM EST  
To: Becki Clark  
Subject: Re: Checking in on Ramazzini

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On 11/10/10 4:57 PM, "Clark.Beki@epamail.epa.gov" <Clark.Beki@epamail.epa.gov> wrote:

Does this mean you are spending Thanksgiving in Italy? Not sure whether that is good or bad...

I have to run to yet another meeting today, but I would like to talk. Do you have time either Friday or early next week?

Regards,  
Becki

Becki Clark  
Acting Director  
National Center for Environmental Assessment  
(703) 347-8551

From: "Bucher, John (NIH/NIEHS) [E]" <bucher@niehs.nih.gov>  
To: Becki Clark/DC/USEPA/US@EPA  
Date: 11/09/2010 08:48 PM  
Subject: Re: Checking in on Ramazzini

Becki,

## Deliberative Process / Ex. 5

I'll be in the office most of tomorrow if any of this needs clarification. Not sure I really answered your questions. John

On 11/9/10 5:23 PM, "Clark.Beki@epamail.epa.gov"  
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We're ready to go public with interim decisions on the assessments we put on hold, but would like to see if you are also close to announcing that work has begun on a PWG.

Please give me a call (703) 347-8551 or email.

Thanks, and hope all is well with you.

Regards,  
Becki

Becki Clark  
Acting Director  
National Center for Environmental Assessment  
(703) 347-8551

--

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[attachment "liver, human-rodent comparison, 1981.pdf" deleted by Abdel Kadry/DC/USEPA/US]



Message

---

**From:** Clark, Becki [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A906E07F1CD143B9A3C2DDAB813B8140-CLARK, BECKI]  
**Sent:** 11/24/2010 1:30:23 PM  
**To:** Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Jones, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eac77fe3b20c4667b8c534c90c15a830-Jones, Samantha]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Gatchett, Annette [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f12d699a71f84e21bddbb876dae7f96c-Gatchett, Annette]; Kadry, Abdel-Razak [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=acb325507bf7451b9735813cfde5e417-Kadry, Abdel-Razak]  
**Subject:** Fw: Checking in on Ramazzini  
**Attachments:** liver, human-rodent comparison, 1981.pdf

What John suggests about vinyl chloride seems reasonable. Any thoughts?

Becki Clark  
Acting Director  
National Center for Environmental Assessment  
(703) 347-8551

----- Forwarded by Becki Clark/DC/USEPA/US on 11/24/2010 08:28 AM -----

**From:** "Bucher, John (NIH/NIEHS) [E]" <bucher@niehs.nih.gov>  
**To:** Becki Clark/DC/USEPA/US@EPA  
**Date:** 11/23/2010 06:09 PM  
**Subject:** Re: Checking in on Ramazzini

# Deliberative Process / Ex. 5

On 11/10/10 5:12 PM, "Clark.Beki@epamail.epa.gov" <Clark.Beki@epamail.epa.gov> wrote:

Great, thanks.  
-----

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: "Bucher, John (NIH/NIEHS) [E]" [bucher@niehs.nih.gov]  
Sent: 11/10/2010 05:09 PM EST  
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Becki

Becki Clark  
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Date: 11/09/2010 08:48 PM  
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## Deliberative Process / Ex. 5

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We're ready to go public with interim decisions on the assessments we put on hold, but would like to see if you are also close to announcing that work has begun on a PWG.

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Thanks, and hope all is well with you.

Regards,  
Becki

Becki Clark  
Acting Director  
National Center for Environmental Assessment  
(703) 347-8551

--

--



liver,  
human-rodent co...

Message

**From:** Cogliano, Vincent [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=51F2736376AC4D32BAD2FE7CFEF2886B-COGLIANO, VINCENT]  
**Sent:** 11/24/2010 3:36:06 PM  
**To:** Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]  
**CC:** Kadry, Abdel-Razak [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=acb325507bf7451b9735813cfde5e417-Kadry, Abdel-Razak]; Gatchett, Annette [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f12d699a71f84e21bddbb876dae7f96c-Gatchett, Annette]; Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]; Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; Jones, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eac77fe3b20c4667b8c534c90c15a830-Jones, Samantha]  
**Subject:** Re: Checking in on Ramazzini

# Deliberative Process / Ex. 5

Vince

**From:** Lynn Flowers/DC/USEPA/US  
**To:** Becki Clark/DC/USEPA/US@EPA, Samantha Jones/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA, John Vandenberg/RTP/USEPA/US@EPA, David Bussard/DC/USEPA/US@EPA, Annette Gatchett/CI/USEPA/US@EPA, Abdel Kadry/DC/USEPA/US@EPA  
**Date:** 11/24/2010 08:52 AM  
**Subject:** Re: Checking in on Ramazzini

# Deliberative Process / Ex. 5

Lynn

Sent by EPA Wireless E-Mail Services

----- Original Message -----

**From:** Becki Clark

ED\_002435\_00000197-00001

**Sent:** 11/24/2010 08:30 AM EST

**To:** Lynn Flowers; Samantha Jones; Vincent Coglianò; John Vandenberg; David Bussard; Annette Gatchett; Abdel Kadry

**Subject:** Fw: Checking in on Ramazzini

What John suggests about vinyl chloride seems reasonable. Any thoughts?

Becki Clark  
Acting Director  
National Center for Environmental Assessment  
(703) 347-8551

----- Forwarded by Becki Clark/DC/USEPA/US on 11/24/2010 08:28 AM -----

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# Deliberative Process / Ex. 5

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Becki

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Acting Director  
National Center for Environmental Assessment  
(703) 347-8551

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To: Becki Clark/DC/USEPA/US@EPA  
Date: 11/09/2010 08:48 PM  
Subject: Re: Checking in on Ramazzini

Becki,

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

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Thanks, and hope all is well with you.

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Becki Clark  
Acting Director  
National Center for Environmental Assessment  
(703) 347-8551

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[attachment "liver, human-rodent comparison, 1981.pdf" deleted by Lynn Flowers/DC/USEPA/US]



Message

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**From:** bucher@niehs.nih.gov [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=C421F94A4D20447CA67ED6AB9EE8B03A-BUCHER@NIEHS.NIH.GOV]  
**Sent:** 6/6/2011 4:21:55 PM  
**To:** Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]  
**CC:** Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**Subject:** Re: text for our acrylonitrile assessment.....moving forward without RI data used quantitatively

Lynn, this seems ok, and the reference is fine. It's not on the web but we've just given a copy to anyone who asked. I have no problem if it's made part of some sort of EPA package.

On 6/6/11 11:04 AM, "Flowers.Lynn@epamail.epa.gov" <Flowers.Lynn@epamail.epa.gov> wrote:

John:

**Deliberative Process / Ex. 5**

Text:

**Deliberative Process / Ex. 5**

Thanks John---  
Lynn

Lynn Flowers, PhD, DABT  
Acting Associate Director for Health

National Center for Environmental Assessment  
Office of Research and Development  
U.S. EPA

Mailing address:  
1200 Pennsylvania Ave., NW (8601P)  
Washington, DC 20460  
Phone: 703-347-8537  
FAX: 703-347-8699

Physical location:  
Two Potomac Yard (North Building)  
2733 S. Crystal Drive  
Arlington, VA 22202

--

Message

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**From:** Karen Hammerstrom [Hammerstrom.KarenLNDU@usepa.onmicrosoft.com]  
**Sent:** 5/24/2011 6:47:17 PM  
**To:** Barone, Stan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a4f8618acbb418da24c110f3123a2af-Barone, Stan]  
**CC:** Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]; Avery, James [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b0fc9e70467647709fa9377dfb987f10-Avery, James]; Deener, Kathleen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b9a2ff1c086249ea8f6414afde8a5e54-Deener, Kathleen]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Ross, Mary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=98359cd1f66f46ec91d327e99a3c6909-Ross, Mary]; Birchfield, Norman [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c910f2fd28414e819b6afe6dda525e9f-Birchfield, Norman]; Jones, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eac77fe3b20c4667b8c534c90c15a830-Jones, Samantha]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**Subject:** Re: Fw: Meeting May 24  
**Attachments:** Data Questions for EPA.DOC; Data Questions for EPA kah.DOC

Here's some quick responses -- some I'm more confident in than others. Do we want to try to respond to these at the meeting or go back and write responses? I'll be glad to try speaking to any of these at the meeting. Hopefully, we will run out of time and can respond in writing.

Number 4 is where they ask for an explanation for every assessment where we haven't hit a milestone in the last couple years. For a number of them, we just didn't provide the start dates, which are mostly 11/17/10. The others are the usual: dichlorobenzenes, MTBE, chloroform, platinum-- the ones with the tough issues.



Data Questions for  
EPA kah.DOC

Karen A. Hammerstrom  
Deputy Director, Integrated Risk Information System (IRIS)  
U.S. Environmental Protection Agency  
Office of Research and Development  
National Center for Environmental Assessment (8601-P)  
1200 Pennsylvania Ave. NW  
Washington, DC 20460

Telephone: 703 347 8642

**From:** Stan Barone/DC/USEPA/US  
**To:** Becki Clark/DC/USEPA/US@EPA, Darrell Winner/DC/USEPA/US@EPA, Lynn Flowers/DC/USEPA/US@EPA,

Vincent Cogliano/DC/USEPA/US@EPA, Karen Hammerstrom/DC/USEPA/US@EPA, Kathleen Deener/DC/USEPA/US@EPA, Norman Birchfield/DC/USEPA/US@EPA  
Cc: James Avery/DC/USEPA/US@EPA, Samantha Jones/DC/USEPA/US@EPA, Mary Ross/RTP/USEPA/US@EPA  
Date: 05/23/2011 05:36 PM  
Subject: Fw: Meeting May 24

Had a conversation with GAO folks a little while ago and got a little more specific info.

It appears that they have heard that we may get request for House Science Hearing in July either 7 , 14 or 15.

They will not be discussing any particulars of the ongoing study unless the minority asks them to since the minority cmt leadership is who asked for their current effort.

It would be helpful to know how far are we away from pulling the trigger on Project Tracker?

---

Stanley Barone, Jr., Ph.D.  
Senior Scientist  
Assistant Center Director for Health  
NCEA/ORD Mail Code 8601P  
1200 Pennsylvania Ave. NW  
U. S. Environmental Protection Agency, 20006

703-347-8555 (phone)

~~703-347-8600 (fax)~~

Personal Matters / Ex. 6

Courier Address (FedEx, UPS, etc.)  
Mail Code 8601P 7th Floor N-7913  
Two Potomac Yard (North Building)  
Arlington, VA 22202  
USA

----- Forwarded by Stan Barone/DC/USEPA/US on 05/23/2011 05:30 PM -----

From: "Kniss, Michael" <KnissM@GAO.GOV>  
To: Stan Barone/DC/USEPA/US@EPA  
Cc: "Lingard, Summer A" <~~Personal Matters / Ex. 6~~>, "Grace, Robert T" <~~Personal Matters / Ex. 6~~>, "Cheung, Jennifer" <~~Personal Matters / Ex. 6~~>  
Date: 05/23/2011 04:08 PM  
Subject: RE: Meeting May 24

Stan,

Per our conversation today, I have attached a list of the data questions we have. Feel free to prepare answers ahead of tomorrow's meeting and then we can just quickly walk through them. We can discuss any questions that require further clarification tomorrow afternoon.

Thanks,  
Michael Kniss  
Analyst  
Natural Resources and Environment  
Government Accountability Office

-----Original Message-----

From: Kniss, Michael  
Sent: Friday, May 20, 2011 11:49 AM  
To: 'Barone.Stan@epamail.epa.gov'  
Cc: Lingard, Summer A; Grace, Robert T; Cheung, Jennifer  
Subject: Meeting May 24

Stan,

In preparation for our meeting on Tuesday, we would like to spend the first part of the meeting (and perhaps the bulk of our time) discussing specific data questions, and the second part following up with questions stemming from our previous interviews. I have included some guiding information below, but I can talk with you before Tuesday if you need further clarification.

Part One:

Data Questions:

- I have attached the original tracking data (Document 1) that you sent to us and the most recent update--data as of May 6--(Document 2), as well as the data you recently sent on assessments' status and projected completion dates (Document 3). We have some very specific questions regarding individual assessment dates, the status of assessments, and chemical stories. Our questions will primarily be about, or stem from, information presented on these 3 source documents that you sent to us.
- I have attached a list of chemicals (Document 4) for which there are no dates post-May 2009. I have included the dates given in the source document. Per the current status data, some of these assessments restarted at Step 1, while others are further along (Step 2, 3, 4). We would like to discuss these at the meeting and need the new process dates.
- We also have some general data reliability questions that we need to ask to satisfy our own internal controls.

Part two:

Follow-up Questions:

- Data Quality Act situation
- Overarching Issues meetings
- Literature searches
- NAS review on formaldehyde (brief, general question)
- IRIS Update Project
- 2011 IRIS Agenda and nominations

Let me know if you need any clarification, or would like to speak before Tuesday and I and/or Summer will give you a call.

Thanks,  
Michael Kniss  
Analyst  
Natural Resources and Environment  
Government Accountability Office



Data Questions for  
EPA.DOC

Message

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**From:** CN=Audrey Hoffer/OU=DC/O=USEPA/C=US [CN=Audrey Hoffer/OU=DC/O=USEPA/C=US]  
**Sent:** 3/31/2011 6:08:05 PM  
**To:** Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]  
**CC:** bucher@niehs.nih.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c421f94a4d20447ca67ed6ab9ee8b03a-bucher@niehs.nih.gov]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**Subject:** Re: Mark-up of EPA press release on PWG

I received your em and confirm that the edits you told John Bucher will be made.

Audrey Hoffer  
Communications Director  
National Center for Environmental Assessment  
Office of Research & Development  
US Environmental Protection Agency  
703.347.0218  
hoffer.audrey@epa.gov

**From:** Becki Clark/DC/USEPA/US  
**To:** "Bucher, John (NIH/NIEHS) [E]" <bucher@niehs.nih.gov>  
**Cc:** Audrey Hoffer/DC/USEPA/US@EPA, Lynn Flowers/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA  
**Date:** 03/31/2011 01:53 PM  
**Subject:** Re: Mark-up of EPA press release on PWG

## Deliberative Process / Ex. 5

Thanks for your quick review and comments.

Becki Clark  
Acting Director  
National Center for Environmental Assessment  
(703) 347-8551

**From:** "Bucher, John (NIH/NIEHS) [E]" <bucher@niehs.nih.gov>  
**To:** Becki Clark/DC/USEPA/US@EPA  
**Cc:** Lynn Flowers/DC/USEPA/US@EPA, Audrey Hoffer/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA

Date: 03/31/2011 11:52 AM  
Subject: Re: Mark-up of EPA press release on PWG

Becki,

# Deliberative Process / Ex. 5

On 3/31/11 10:23 AM, "Clark.BECKI@epamail.epa.gov" <Clark.BECKI@epamail.epa.gov> wrote:

John,

Attached is EPA's draft press release on the PWG and announcing our interim decisions about the IRIS assessments affected by RI data. This is a mark-up of my staff's version by EPA's press office. **Deliberative Process / Ex. 5**

## Deliberative Process / Ex. 5

Can you live with this version? Please feel free to call me at (703) 347-8551. We would like to get this out today, but will wait to hear from you.

Regards,  
Becki

Becki Clark  
Acting Director  
National Center for Environmental Assessment  
(703) 347-8551

----- Forwarded by Becki Clark/DC/USEPA/US on 03/31/2011 09:59 AM -----

From: Audrey Hoffer/DC/USEPA/US  
To: Becki Clark/DC/USEPA/US@EPA  
Cc: Lynn Flowers/DC/USEPA/US@EPA  
Date: 03/31/2011 09:58 AM  
Subject: Fw: EPA Announces Plan of Action to Address Four IRIS Assessments

Below is the press release with comments from the Agency's press office.

----- Forwarded by Audrey Hoffer/DC/USEPA/US on 03/31/2011 09:57 AM -----

From: Dale Kemery/DC/USEPA/US  
To: Elizabeth Blackburn/DC/USEPA/US@EPA  
Cc: Audrey Hoffer/DC/USEPA/US@EPA, Carolyn Hubbard/DC/USEPA/US@EPA, Larry Jackson/DC/USEPA/US@EPA, Megan Maguire/DC/USEPA/US@EPA, Mollie Lemon/DC/USEPA/US@EPA, Roxanne Smith/DC/USEPA/US@EPA  
Date: 03/30/2011 04:31 PM  
Subject: Re: EPA Announces Plan of Action to Address Four IRIS

Assessments

Liz -

The release is attached with comments. Track changes is on so you can see what we've done. Let me call your attention to the next to last graf to be sure that the meaning has not changed during editing.

Dale Kemery  
Press Officer  
Office of Media Relations  
U.S. Environmental Protection Agency  
Washington, DC 20460  
202-564-7839

(See attached file: EPA Announces Plan of Action to Address Four IRIS Assessments release.docx)

From: Elizabeth Blackburn/DC/USEPA/US  
To: Dale Kemery/DC/USEPA/US@EPA  
Cc: Roxanne Smith/DC/USEPA/US@EPA, Larry  
Jackson/DC/USEPA/US@EPA, Carolyn Hubbard/DC/USEPA/US@EPA,  
Megan Maguire/DC/USEPA/US@EPA, Audrey  
Hoffer/DC/USEPA/US@EPA, Mollie Lemon/DC/USEPA/US@EPA  
Date: 03/30/2011 11:05 AM  
Subject: EPA Announces Plan of Action to Address Four IRIS  
Assessments

Hi Dale

Please see the ORD approved draft press release for the draft IRIS Assessments placed on hold because of the Ramazzini Institute studies. Please let us know if you have any changes or if something is unclear. We've tried to keep the language close to the press release that was issued in June of last year. Here is that link for your convenience - <http://yosemite.epa.gov/opa/admpress.nsf/03dd877d6f1726c28525735900404443/b64d44f06a56d5b285257742007c5002!OpenDocument>

Thank you.

Liz  
[attachment "Rel EPA Announces Plan of Action for 4 IRIS Assesmts on Hold 3.30.11.doc" deleted by Dale Kemery/DC/USEPA/US]  
Liz Blackburn  
Communications Director  
Office of Research and Development  
USEPA  
PH: 202-564-2192  
Blackberry: Personal Matters / Ex. 6

--



Message

---

**From:** Birchfield, Norman [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=C910F2FD28414E819B6AFE6DDA525E9F-BIRCHFIELD, NORMAN]  
**Sent:** 6/6/2011 5:45:42 PM  
**To:** Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Barone, Stan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a4f8618acbba418da24c110f3123a2af-Barone, Stan]  
**Subject:** Fw: RFC 1005: Interim Response to Methanol Institute  
**Attachments:** RFC 10005-Methanol-Interim Response-060611-Byron\_mj nb.docx

Additional edit from Becki added.

Here's the text:

Dear Mr. Dolan:

# Deliberative Process / Ex. 5

----- Forwarded by Norman Birchfield/DC/USEPA/US on 06/06/2011 01:44 PM -----

**From:** Norman Birchfield/DC/USEPA/US  
**To:** Stan Barone/DC/USEPA/US@EPA  
**Cc:** Darrell Winner/DC/USEPA/US@EPA, John Vandenberg/RTP/USEPA/US@EPA, Lynn Flowers/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA  
**Date:** 06/06/2011 01:29 PM  
**Subject:** Re: Fw: RFC 1005: Interim Response to Methanol Institute

Additional edits from OEI, Darrell and Lynn included below:



RFC

10005-Methanol-...

From: Stan Barone/DC/USEPA/US  
To: Norman Birchfield/DC/USEPA/US@EPA  
Cc: Darrell Winner/DC/USEPA/US@EPA, John Vandenberg/RTP/USEPA/US@EPA, Lynn Flowers/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA  
Date: 06/06/2011 01:04 PM  
Subject: Re: Fw: RFC 1005: Interim Response to Methanol Institute

edits look good.

---

Stanley Barone, Jr., Ph.D.  
Senior Scientist/Assistant Center Director for Health  
Deputy National Program Director for Human Health Risk Assessment  
NCEA/ORD Mail Code 8601P  
1200 Pennsylvania Ave. NW  
U. S. Environmental Protection Agency, 20006

703-347-8555 (phone)

703-347-8699 (fax)

Teleconference Line / Ex. 6

Courier Address (FedEx, UPS, etc.)  
Mail Code 8601P 7th Floor N-7913  
Two Potomac Yard (North Building)  
Arlington, VA 22202  
USA

From: Norman Birchfield/DC/USEPA/US  
To: John Vandenberg/RTP/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA, Lynn Flowers/DC/USEPA/US@EPA, Stan Barone/DC/USEPA/US@EPA, Darrell Winner/DC/USEPA/US@EPA  
Date: 06/06/2011 12:44 PM  
Subject: Fw: RFC 1005: Interim Response to Methanol Institute

# Deliberative Process / Ex. 5

— Forwarded by Norman Birchfield/DC/USEPA/US on 06/06/2011 12:37 PM —

From: Byron Brown/DC/USEPA/US  
To: Monica Jones/DC/USEPA/US  
Cc: Kimberlie Orr/DC/USEPA/US@EPA, Norman Birchfield/DC/USEPA/US@EPA  
Date: 06/06/2011 12:00 PM  
Subject: Re: RFC 1005: Interim Response to Methanol Institute

Attached is a copy with my edits.

From: Monica Jones/DC/USEPA/US  
To: Norman Birchfield/DC/USEPA/US@EPA, Byron Brown/DC/USEPA/US@EPA  
Cc: Kimberlie Orr/DC/USEPA/US@EPA  
Date: 06/06/2011 09:30 AM  
Subject: RFC 1005: Interim Response to Methanol Institute

# Deliberative Process / Ex. 5

Monica D. Jones  
Acting Director, Quality Staff  
EPA Office of Environmental Information  
Office Phone: (202) 564-1641  
Blackberry: Teleconference Line / Ex. 6  
FAX: (202) 565-2441

NOTICE: This communication may contain deliberative, privileged or other confidential information. Do not release under FOIA without appropriate review. If you are not the intended recipient or believe you have received this communication in error, please delete the copy you received, and do not print, copy, re-transmit, disseminate or otherwise use the information. Thank you.

Message

---

**From:** Flowers, Lynn [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1A4411C874D041B9A8BADFC32B91BD70-FLOWERS, LYNN]  
**Sent:** 1/19/2011 2:27:38 PM  
**To:** Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]; Jones, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eac77fe3b20c4667b8c534c90c15a830-Jones, Samantha]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**CC:** CN=Audrey Hoffer/OU=DC/O=USEPA/C=US@EPA  
**Subject:** Fw: Ramazzini press question-deadline today

FYI---John is Ok with short press statement--see his email below for more.  
Lynn

Lynn Flowers, PhD, DABT  
Acting Associate Director for Health  
National Center for Environmental Assessment  
Office of Research and Development  
U.S. EPA

Mailing address:  
1200 Pennsylvania Ave., NW (8601P)  
Washington, DC 20460  
Phone: 703-347-8537  
FAX: 703-347-8699

Physical location:  
Two Potomac Yard (North Building)  
2733 S. Crystal Drive  
Arlington, VA 22202

----- Forwarded by Lynn Flowers/DC/USEPA/US on 01/19/2011 09:26 AM -----

**From:** "Bucher, John (NIH/NIEHS) [E]" <bucher@niehs.nih.gov>  
**To:** Lynn Flowers/DC/USEPA/US@EPA  
**Date:** 01/19/2011 09:25 AM  
**Subject:** Re: Ramazzini press question-deadline today

## Deliberative Process / Ex. 5

On 1/19/11 9:17 AM, "Flowers.Lynn@epamail.epa.gov" <Flowers.Lynn@epamail.epa.gov> wrote:

John: We are responding to a press inquiry (bottom of email chain). Please see the 3 line response below. We have also been working on a longer EPA press release that we will share with you soon. Do you have any problems with the short response below that would come out in the press either tomorrow or Friday in a longer article that we have no control over.....sigh.  
Let me know, OK--email or call.....

# Deliberative Process / Ex. 5

Lynn Flowers, PhD, DABT  
Acting Associate Director for Health  
National Center for Environmental Assessment  
Office of Research and Development  
U.S. EPA

Mailing address:  
1200 Pennsylvania Ave., NW (8601P)  
Washington, DC 20460  
Phone: 703-347-8537  
FAX: 703-347-8699

Physical location:  
Two Potomac Yard (North Building)  
2733 S. Crystal Drive  
Arlington, VA 22202

----- Forwarded by Lynn Flowers/DC/USEPA/US on 01/19/2011 08:59 AM -----

From: Lynn Flowers/DC/USEPA/US  
To: Becki Clark/DC/USEPA/US@EPA, Kevin Teichman/DC/USEPA/US@EPA  
Cc: hoffer.audrey@epa.gov, winner.darrell@epa.gov  
Date: 01/19/2011 08:59 AM  
Subject: Re: Fw: Ramazzini question

Becki and Kevin: Audrey and I came up with the following.....let us know if you have any issues. The deadline is 4 pm. Also, I will run this by John Bucher.

# Deliberative Process / Ex. 5

Lynn Flowers, PhD, DABT  
Acting Associate Director for Health  
National Center for Environmental Assessment  
Office of Research and Development  
U.S. EPA

Mailing address:  
1200 Pennsylvania Ave., NW (8601P)  
Washington, DC 20460

Phone: 703-347-8537  
FAX: 703-347-8699

Physical location:  
Two Potomac Yard (North Building)  
2733 S. Crystal Drive  
Arlington, VA 22202

From: Becki Clark/DC/USEPA/US  
To: teichman.kevin@epa.gov  
Cc: hoffer.audrey@epa.gov, flowers.lynn@epa.gov,  
winner.darrell@epa.gov  
Date: 01/18/2011 05:29 PM  
Subject: Fw: Ramazzini question

## Deliberative Process / Ex. 5

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Latisha Petteway  
Sent: 01/18/2011 04:17 PM EST  
To: Maria Hegstad <mhegstad@iwpnews.com>  
Cc: Becki Clark  
Subject: Re: Ramazzini question

I am checking for you.

Tisha Petteway  
Press Officer

US EPA: Office of Media Relations  
1200 Pennsylvania Ave. NW  
Washington, DC 20460  
Office (202) 564-3191

From: Maria Hegstad <mhegstad@iwpnews.com>  
To: Latisha Petteway/DC/USEPA/US@EPA  
Cc: Becki Clark/DC/USEPA/US@EPA  
Date: 01/18/2011 04:13 PM  
Subject: Ramazzini question

Hi Tisha,  
Is it possible to get a status update of ORD's decision regarding its use of Ramazzini Institute data in IRIS assessments? I'm told that ORD is working through NIEHS/NTP to seek a fuller pathology review of Ramazzini data on some of the impacted IRIS chemicals -- can you comment?

I am working on a 4 pm Wednesday (tomorrow) deadline for Inside EPA.

Many thanks, Maria

--

Maria Hegstad  
Managing Editor, Risk Policy Report  
703-416-8541  
mailto:mhegstad@iwpnews.com  
www.InsideEPA.com

Inside Washington Publishers  
1919 S. Eads St., Ste. 201  
Arlington, VA 22202

--

Message

---

**From:** Birchfield, Norman [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=C910F2FD28414E819B6AFE6DDA525E9F-BIRCHFIELD, NORMAN]  
**Sent:** 1/12/2011 6:49:34 PM  
**To:** Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]  
**CC:** Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]  
**Subject:** Re: Fw: Fast turn around: Draft Letter from OEI AA to OIRA  
**Attachments:** RFC 10004 Draft Letter from CIO to OIRA\_LF\_NB.doc; RFC 10005 Draft Response 01121\_LF NB.doc

David Bussard and I tweaked the Malcolm Jackson letter a little further:



RFC 10004 Draft  
Letter from CIO t...

In addition, here is a revised draft response letter to the Methanol Institute (also due COB today):



RFC 10005 Draft  
Response 01121...

**From:** Lynn Flowers/DC/USEPA/US  
**To:** Norman Birchfield/DC/USEPA/US@EPA  
**Cc:** David Bussard/DC/USEPA/US@EPA, John Vandenberg/RTP/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA, Becki Clark/DC/USEPA/US@EPA  
**Date:** 01/12/2011 01:18 PM  
**Subject:** Re: Fw: Fast turn around: Draft Letter from OEI AA to OIRA

see what you think...

[attachment "RFC 10004 Draft Letter from CIO to OIRA\_LF.docx" deleted by Norman Birchfield/DC/USEPA/US]

Lynn Flowers, PhD, DABT  
Acting Associate Director for Health  
National Center for Environmental Assessment  
Office of Research and Development  
U.S. EPA

Mailing address:  
1200 Pennsylvania Ave., NW (8601P)  
Washington, DC 20460  
Phone: 703-347-8537  
FAX: 703-347-8699

Physical location:  
Two Potomac Yard (North Building)



2733 S. Crystal Drive  
Arlington, VA 22202

From: Norman Birchfield/DC/USEPA/US  
To: Lynn Flowers/DC/USEPA/US@EPA, John Vandenberg/RTP/USEPA/US@EPA, David Bussard/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA  
Date: 01/12/2011 12:41 PM  
Subject: Fw: Fast turn around: Draft Letter from OEI AA to OIRA

Becki's edits

[attachment "RFC 10004 Draft Letter from CIO to OIRA.docx" deleted by Norman Birchfield/DC/USEPA/US]

----- Forwarded by Norman Birchfield/DC/USEPA/US on 01/12/2011 12:38 PM -----

From: Norman Birchfield/DC/USEPA/US  
To: Lynn Flowers/DC/USEPA/US@EPA, John Vandenberg/RTP/USEPA/US@EPA, David Bussard/DC/USEPA/US@EPA, Becki Clark/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA  
Cc: Darrell Winner/DC/USEPA/US@EPA  
Date: 01/12/2011 12:14 PM  
Subject: Fast turn around: Draft Letter from OEI AA to OIRA

OEI is seeking review of the draft letter from Malcolm Jackson to Cass Sunstein TODAY. I wanted to get this to you ASAP so I haven't looked at it closely yet. As Monica notes below, the letter may not be sent if Malcolm gets the chance to speak to Cass this week.

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

----- Forwarded by Norman Birchfield/DC/USEPA/US on 01/12/2011 12:03 PM -----

From: Monica Jones/DC/USEPA/US  
To: Marilyn Kuray/DC/USEPA/US@EPA, Norman Birchfield/DC/USEPA/US@EPA  
Cc: Katherine Chalfant/DC/USEPA/US@EPA, Kimberlie Orr/DC/USEPA/US@EPA  
Date: 01/12/2011 10:48 AM  
Subject: RFC 10004: Draft Letter from CIO to OIRA

# Deliberative Process / Ex. 5

Please review the attached letter and provide your feedback by COB today.

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5** Malcolm requested a conference call to discuss the Agency's RFC response, but has not received a confirmation. If Malcolm and Cass have an opportunity to discuss this before the end of the week, this letter may not be sent.

Thanks in advance for your prompt review!

[attachment "RFC 10004 Draft Letter from CIO to OIRA.docx" deleted by Norman Birchfield/DC/USEPA/US]

Monica D. Jones  
Team Leader, Quality Staff  
EPA Office of Environmental Information  
Office Phone: (202) 564-1641  
FAX: (202) 565-2441

NOTICE: This communication may contain deliberative, privileged or other confidential information. Do not release under FOIA without appropriate review. If you are not the intended recipient or believe you have received this communication in error, please delete the copy you received, and do not print, copy, re-transmit, disseminate or otherwise use the information. Thank you.

Message

**From:** Clark, Becki [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A906E07F1CD143B9A3C2DDAB813B8140-CLARK, BECKI]  
**Sent:** 3/31/2011 2:23:22 PM  
**To:** bucher@niehs.nih.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c421f94a4d20447ca67ed6ab9ee8b03a-bucher@niehs.nih.gov]  
**CC:** Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; CN=Audrey Hoffer/OU=DC/O=USEPA/C=US@EPA; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**Subject:** Mark-up of EPA press release on PWG  
**Attachments:** EPA Announces Plan of Action to Address Four IRIS Assessments release.docx

John,

Attached is EPA's draft press release on the PWG and announcing our interim decisions about the IRIS assessments affected by RI data. This is a mark-up of my staff's version by EPA's press office.

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Can you live with this version? Please feel free to call me at (703) 347-8551. We would like to get this out today, but will wait to hear from you.

Regards,  
Becki

Becki Clark  
Acting Director  
National Center for Environmental Assessment  
(703) 347-8551

----- Forwarded by Becki Clark/DC/USEPA/US on 03/31/2011 09:59 AM -----

**From:** Audrey Hoffer/DC/USEPA/US  
**To:** Becki Clark/DC/USEPA/US@EPA  
**Cc:** Lynn Flowers/DC/USEPA/US@EPA  
**Date:** 03/31/2011 09:58 AM  
**Subject:** Fw: EPA Announces Plan of Action to Address Four IRIS Assessments

Below is the press release with comments from the Agency's press office.

----- Forwarded by Audrey Hoffer/DC/USEPA/US on 03/31/2011 09:57 AM -----

**From:** Dale Kemery/DC/USEPA/US  
**To:** Elizabeth Blackburn/DC/USEPA/US@EPA  
**Cc:** Audrey Hoffer/DC/USEPA/US@EPA, Carolyn Hubbard/DC/USEPA/US@EPA, Larry Jackson/DC/USEPA/US@EPA, Megan Maguire/DC/USEPA/US@EPA, Mollie Lemon/DC/USEPA/US@EPA, Roxanne Smith/DC/USEPA/US@EPA  
**Date:** 03/30/2011 04:31 PM  
**Subject:** Re: EPA Announces Plan of Action to Address Four IRIS Assessments

Liz -

The release is attached with comments. Track changes is on so you can see what we've done. Let me call your attention to the next to last graf to be sure that the meaning has not changed during editing.

Dale Kemery  
Press Officer  
Office of Media Relations

ED\_002435\_00000612-00001

U.S. Environmental Protection Agency  
Washington, DC 20460  
202-564-7839



EPA Announces  
Plan of Action to ...

From: Elizabeth Blackburn/DC/USEPA/US  
To: Dale Kemery/DC/USEPA/US@EPA  
Cc: Roxanne Smith/DC/USEPA/US@EPA, Larry Jackson/DC/USEPA/US@EPA, Carolyn Hubbard/DC/USEPA/US@EPA, Megan Maguire/DC/USEPA/US@EPA, Audrey Hoffer/DC/USEPA/US@EPA, Mollie Lemon/DC/USEPA/US@EPA  
Date: 03/30/2011 11:05 AM  
Subject: EPA Announces Plan of Action to Address Four IRIS Assessments

Hi Dale

Please see the ORD approved draft press release for the draft IRIS Assessments placed on hold because of the Ramazzini Institute studies. Please let us know if you have any changes or if something is unclear. We've tried to keep the language close to the press release that was issued in June of last year. Here is that link for your convenience - <http://yosemite.epa.gov/opa/admpress.nsf/03dd877d6f1726c28525735900404443/b64d44f06a56d5b285257742007c5002!OpenDocument>

Thank you.

Liz  
[attachment "Rel EPA Announces Plan of Action for 4 IRIS Assesmts on Hold 3.30.11.doc" deleted by Dale Kemery/DC/USEPA/US]  
Liz Blackburn  
Communications Director  
Office of Research and Development  
USEPA  
PH: 202-564-2192  
Blackberry: Personal Matters / Ex. 6

Message

**From:** Vandenberg, John [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=DCAE2B98A04540FB8D099F9D4DEAD690-VANDENBERG, JOHN]  
**Sent:** 7/11/2011 4:43:40 PM  
**To:** Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Perovich, Gina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e3c19d7f4db41bfa2477aa27ad83945-Perovich, Gina]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]; Gatchett, Annette [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f12d699a71f84e21bddbb876dae7f96c-Gatchett, Annette]  
**CC:** Bob Sonawane [Sonawane.BobLNDU@usepa.onmicrosoft.com]  
**Subject:** Fw: CV - fo [Personal Matters / Ex. 6]  
**Attachments:** [Personal Matters / Ex. 6]

Please see below. I know of [Personal Matters / Ex. 6] (as does Bob) and she might be a strong asset to NCEA.  
John

John Vandenberg, PhD  
Director, RTP Division  
National Center for Environmental Assessment B243-01  
Office of Research and Development, USEPA  
Research Triangle Park, NC 27711

Tel: 919 541 4527

Fax: 919 541 5078

----- Forwarded by John Vandenberg/RTP/USEPA/US on 07/11/2011 09:22 AM -----

**From:** "Birnbaum, Linda (NIH/NIEHS) [E]" <birnbaum1s@niehs.nih.gov>  
**To:** Bob Sonawane/DC/USEPA/US@EPA, John Vandenberg/RTP/USEPA/US@EPA  
**Date:** 07/08/2011 08:12 AM  
**Subject:** CV

Hi Bob and John

## Personal Matters / Ex. 6

Hope all is good.

Linda S. Birnbaum, Ph.D., D.A.B.T., A.T.S  
Director,  
National Institute of Environmental Health Sciences  
and National Toxicology Program  
phone: 919-541-3201  
fax: 919-541-2260  
e-mail: birnbaum1s@niehs.nih.gov

**From:** [Personal Matters / Ex. 6]mailto:[Personal Matters / Ex. 6]  
**Sent:** Sunday, June 26, 2011 9:40 AM  
**To:** Birnbaum, Linda (NIH/NIEHS) [E]

**Subject:** resending - My CV

Sorry. I neglected to change the date of this update on the CV itself. This is the correct version.  
Thanks,



Personal Matters / Ex. 6  
Personal Matters / Ex. 6

Message

**From:** Birchfield, Norman [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=C910F2FD28414E819B6AFE6DDA525E9F-BIRCHFIELD, NORMAN]  
**Sent:** 8/31/2011 7:11:22 PM  
**To:** Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]  
**Subject:** HHS proposed participants for NASA meeting

HHS's list of proposed participants is below. Vince has already contacted Linda Birnbaum and Chris Portier. I don't know Frank Hearl or Jesse Goodman. Do you guys think they would be good?

I've been in contact with Becky Fried. She will take the list of HHS people to Paul for his approval but maybe we should let him know our thoughts on them too when we send them over.

-----Forwarded by Norman Birchfield/DC/USEPA/US on 08/31/2011 03:04PM -----

To: Norman Birchfield/DC/USEPA/US@EPA  
From: "Milam, Ron (HHS/OASH)" <Ron.Milam@hhs.gov>  
Date: 08/31/2011 02:57PM  
Subject: RE: NASA requests Interagency Working Group, EPA IRIS Process and Risk Assessments

# Deliberative Process / Ex. 5

Jesse Goodman (FDA)

Respectfully,  
Ron

-----Original Message-----

From: [Birchfield.Norman@epamail.epa.gov](mailto:Birchfield.Norman@epamail.epa.gov) [mailto:[Birchfield.Norman@epamail.epa.gov](mailto:Birchfield.Norman@epamail.epa.gov)]  
Sent: Wednesday, August 31, 2011 12:45 PM  
To: Milam, Ron (HHS/OASH)  
Subject: Re: NASA requests Interagency Working Group, EPA IRIS Process and Risk Assessments

## Deliberative Process / Ex. 5

----- Original Message -----

From: "Milam, Ron (HHS/OASH)" [[Ron.Milam@hhs.gov](mailto:Ron.Milam@hhs.gov)]  
Sent: 08/31/2011 12:23 PM AST  
To: Norman Birchfield  
Cc: "Howard, Sandra (HHS/ASPE)" <[Sandra.Howard@HHS.GOV](mailto:Sandra.Howard@HHS.GOV)>

Subject: RE: NASA requests Interagency Working Group, EPA IRIS Process and Risk Assessments

## Deliberative Process / Ex. 5

Respectfully,  
Ron

-----Original Message-----

From: [Birchfield.Norman@epamail.epa.gov](mailto:Birchfield.Norman@epamail.epa.gov) [mailto:[Birchfield.Norman@epamail.epa.gov](mailto:Birchfield.Norman@epamail.epa.gov)]  
Sent: Wednesday, August 31, 2011 10:22 AM  
To: Milam, Ron (HHS/OASH)  
Subject: Re: NASA requests Interagency Working Group, EPA IRIS Process and Risk Assessments

Okay - thanks.

----- Original Message -----

From: "Milam, Ron (HHS/OASH)" [[Ron.Milam@hhs.gov](mailto:Ron.Milam@hhs.gov)]  
Sent: 08/31/2011 07:57 AM AST  
To: Norman Birchfield  
Subject: RE: NASA requests Interagency Working Group, EPA IRIS Process and Risk Assessments

## Deliberative Process / Ex. 5

Thanks,  
Ron

From: [Birchfield.Norman@epamail.epa.gov](mailto:Birchfield.Norman@epamail.epa.gov) [[Birchfield.Norman@epamail.epa.gov](mailto:Birchfield.Norman@epamail.epa.gov)]  
Sent: Tuesday, August 30, 2011 6:56 PM  
To: Milam, Ron (HHS/OASH)  
Subject: Fw: NASA requests Interagency Working Group, EPA IRIS Process and Risk Assessments

Hi Ron

## Deliberative Process / Ex. 5

Thanks for your help.

NB



Norman Birchfield, Ph.D.  
National Center for Environmental Assessment  
Office of Research and Development  
U.S. EPA

Mailing address:  
1200 Pennsylvania Ave., NW (8601P)  
Washington, DC 20460

Phone: (703) 347-0174

Physical location:  
Two Potomac Yard (North Building)  
2733 S. Crystal Drive  
Arlington, VA 22202

-----Forwarded by Norman Birchfield/DC/USEPA/US on 08/30/2011 06:46PM -----  
From: [Anastas.Paul@epamail.epa.gov](mailto:Anastas.Paul@epamail.epa.gov)<<mailto:Anastas.Paul@epamail.epa.gov>>  
[<mailto:Anastas.Paul@epamail.epa.gov>]  
Sent: Tuesday, August 16, 2011 10:29 AM  
To: [olga.m.dominguez@nasa.gov](mailto:olga.m.dominguez@nasa.gov)<<mailto:olga.m.dominguez@nasa.gov>>  
Cc: [blaine.rowley@em.doe.gov](mailto:blaine.rowley@em.doe.gov)<<mailto:blaine.rowley@em.doe.gov>>;

## Personal Email / Ex. 6

[frank.marcinowski@em.doe.gov](mailto:frank.marcinowski@em.doe.gov)<<mailto:frank.marcinowski@em.doe.gov>>; [james.leatherwood-1@nasa.gov](mailto:james.leatherwood-1@nasa.gov)<<mailto:james.leatherwood-1@nasa.gov>>;  
[james.w.wright@nasa.gov](mailto:james.w.wright@nasa.gov)<<mailto:james.w.wright@nasa.gov>>;

## Personal Email / Ex. 6

### Personal Email / Ex. 6

[lewis.s.braxton@nasa.gov](mailto:lewis.s.braxton@nasa.gov)<<mailto:lewis.s.braxton@nasa.gov>>;  
[linda.s.wennerberg@nasa.gov](mailto:linda.s.wennerberg@nasa.gov)<<mailto:linda.s.wennerberg@nasa.gov>>;

## Personal Email / Ex. 6

[shannon.cunniff@osa.mil](mailto:shannon.cunniff@osa.mil)<<mailto:shannon.cunniff@osa.mil>>; Sargeant, Winslow;  
[woodrow.whitlow@nasa.gov](mailto:woodrow.whitlow@nasa.gov)<<mailto:woodrow.whitlow@nasa.gov>>  
Subject: Re: NASA requests Interagency Working Group, EPA IRIS Process and Risk Assessments

# Deliberative Process / Ex. 5

Paul Anastas  
Assistant Administrator  
Office of Research and Development  
US EPA

-----"Dominguez, Olga M. (HQ-LD000)"  
<[olga.m.dominguez@nasa.gov](mailto:olga.m.dominguez@nasa.gov)><<mailto:olga.m.dominguez@nasa.gov>> wrote: -----

To: "[mfitzpatrick@omb.eop.gov](mailto:mfitzpatrick@omb.eop.gov)"<<mailto:mfitzpatrick@omb.eop.gov>>  
<[mfitzpatrick@omb.eop.gov](mailto:mfitzpatrick@omb.eop.gov)><<mailto:mfitzpatrick@omb.eop.gov>>,  
"[Kneyland@omb.eop.gov](mailto:Kneyland@omb.eop.gov)"<<mailto:Kneyland@omb.eop.gov>>  
<[Kneyland@omb.eop.gov](mailto:Kneyland@omb.eop.gov)><<mailto:Kneyland@omb.eop.gov>>,  
"[Dmancini@omb.eop.gov](mailto:Dmancini@omb.eop.gov)"<<mailto:Dmancini@omb.eop.gov>>

## Personal Email / Ex. 6

Paul Anastas/DC/USEPA/US@EPA,

"John.Conger@osd.mil"<mailto:John.Conger@osd.mil>  
<John.Conger@osd.mil><mailto:John.Conger@osd.mil>,  
"frank.marcinowski@em.doe.gov"<mailto:frank.marcinowski@em.doe.gov>  
<frank.marcinowski@em.doe.gov><mailto:frank.marcinowski@em.doe.gov>,  
"Winslow.sargeant@sba.gov"<mailto:Winslow.sargeant@sba.gov>  
<Winslow.sargeant@sba.gov><mailto:Winslow.sargeant@sba.gov>  
From: "Dominguez, Olga M. (HQ-LD000)"  
<olga.m.dominguez@nasa.gov><mailto:olga.m.dominguez@nasa.gov>  
Date: 08/13/2011 09:42AM  
Cc: "Shannon.cunniff@osd.mil"<mailto:Shannon.cunniff@osd.mil>  
<Shannon.cunniff@osd.mil><mailto:Shannon.cunniff@osd.mil>,

## Personal Email / Ex. 6

"blaine.rowley@em.doe.gov"<mailto:blaine.rowley@em.doe.gov>  
<blaine.rowley@em.doe.gov><mailto:blaine.rowley@em.doe.gov>,  
"kevin.bromberg@sba.gov"<mailto:kevin.bromberg@sba.gov>  
<kevin.bromberg@sba.gov><mailto:kevin.bromberg@sba.gov>, "Leatherwood, James (HQ-LD020)"  
<james.leatherwood-1@nasa.gov><mailto:james.leatherwood-1@nasa.gov>, "Wennerberg, Linda  
S. (HQ-LA000)" <linda.s.wennerberg@nasa.gov><mailto:linda.s.wennerberg@nasa.gov>,  
"Wright, James W. (HQ-LD000)" <james.w.wright@nasa.gov><mailto:james.w.wright@nasa.gov>,  
"Whitlow, Woodrow (HQ-LA000)"  
<woodrow.whitlow@nasa.gov><mailto:woodrow.whitlow@nasa.gov>, "Braxton, Lewis S. (ARC-D)"  
<lewis.s.braxton@nasa.gov><mailto:lewis.s.braxton@nasa.gov>,

## Personal Email / Ex. 6

Subject: NASA requests Interagency Working Group, EPA IRIS Process and Risk Assessments

Dear Mr. Fitzpatrick, Mr. Neyland, Mr. Mancini and Dr. Holdren:

## Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Olga

Olga M. Dominguez  
Assistant Administrator  
Office of Strategic Infrastructure  
NASA Headquarters  
(202) 358-2800

Please consider the environment before printing this email.

Message

**From:** Jones, Samantha [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=EAC77FE3B20C4667B8C534C90C15A830-JONES, SAMANTHA]  
**Sent:** 7/25/2011 8:06:43 PM  
**To:** Wesselkamper, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c61317cf75984db888d4aa52676e3f05-Wesselkamper, Scott]  
**CC:** Hawkins, Belinda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=075561d171e845828ec67a945663a8e6-Hawkins, Belinda]; Gatchett, Annette [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f12d699a71f84e21bddbb876dae7f96c-Gatchett, Annette]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Karen Hammerstrom [Hammerstrom.KarenLNDU@usepa.onmicrosoft.com]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Birchfield, Norman [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c910f2fd28414e819b6afe6dda525e9f-Birchfield, Norman]  
**Subject:** Fw: ATSDR MRL Workgroup Review of RDX  
**Attachments:** BACKGROUND Sweeney et al 2010.pdf; BACKGROUND T3-1.pdf; BACKGROUND T3-2.pdf; MRL Worksheets\_RDX.docx; RDX MRL rationale statement PPC dr2.docx; RDX\_section 2.3.docx; BACKGROUND F3-1.pdf; BACKGROUND RDX Tox Profile.doc

Here are the materials I received from ATSDR as part of the request from NCEA to review the post public comment draft Tox Profile for RDX just prior to the assessment being finalized.

----- Forwarded by Samantha Jones/DC/USEPA/US on 07/25/2011 04:02 PM -----

**From:** "Chou, Selene (ATSDR/DTEM/PRMSB)" <cjc3@cdc.gov>  
**To:** "Williams, Malcolm (ATSDR/DTEM/ATB)" <mxw7@cdc.gov>, "Faroon, Obaid (ATSDR/DTEM/ATB)" <oxs0@cdc.gov>, "Wilbur, Sharon (ATSDR/DTEM/ATB)" <sdw9@cdc.gov>, "Ashizawa, Annette (ATSDR/DTEM/ATB)" <ada8@cdc.gov>, "Demchuk, Eugene (ATSDR/DTEM/OD)" <eed5@cdc.gov>, "Wilder, Lynn (ATSDR/DHAC/OD)" <lxw2@cdc.gov>, "Sowell, Anne (ATSDR/DHS/OD)" <als1@cdc.gov>, "Johnson, Mark (ATSDR/DRO/CHI)" <mkj5@cdc.gov>, Bob Benson/R8/USEPA/US@EPA, "Chhabrar@niehs.nih.gov" <Chhabrar@niehs.nih.gov>, "Sofge, Christine (CDC/NIOSH/EID)" <cts6@cdc.gov>, "Wang, Richard (CDC/ONDIEH/NCEH)" <rvw6@cdc.gov>, Samantha Jones/DC/USEPA/US@EPA, "Edge, Charles (ATSDR/DTEM/PRMSB)" <ibd7@cdc.gov>  
**Cc:** "Murray, Ed (ATSDR/DTEM/OD)" <hem0@cdc.gov>, "Holler, James S. (Jim) (ATSDR/DTEM/PRMSB)" <jsh2@cdc.gov>, "Wheeler, John (ATSDR/DTEM/OD)" <jzw1@cdc.gov>, "Smith, Casandra V. (ATSDR/DTEM/OD)" <cvs1@cdc.gov>, "Abadin, Henry (ATSDR/DTEM/ATB)" <hga0@cdc.gov>, "Ingerman, Lisa" <ingerman@srcinc.com>, "Chou, Selene (ATSDR/DTEM/PRMSB)" <cjc3@cdc.gov>  
**Date:** 07/21/2011 02:50 PM  
**Subject:** ATSDR MRL Workgroup Review of RDX

Greetings everyone,

# Deliberative Process / Ex. 5

Due to a tight deadline and that workgroup members are taking leave during summer, we are doing a paper review to allow for maximal participation.  
Looking forward to hearing from you,

Selene

Selene Chou, Ph.D.  
Chair, ATSDR MRL Workgroup  
ATSDR/DTEM/PRMSB MS F62  
1600 Clifton Road., N.E.  
Atlanta, GA 30333  
Tel: (770)48803357  
Email: cjc3@cdc.gov

**From:** Abadin, Henry (ATSDR/DTEM/ATB)  
**Sent:** Thursday, July 21, 2011 12:48 PM  
**To:** Chou, Selene (ATSDR/DTEM/PRMSB)  
**Subject:** RDX

# Deliberative Process / Ex. 5

## New MRL

Chronic-duration oral -

0.1 mg/kg/day (U.S. Army, 1983a)

BACKGROUND  
Sweeney et al 20...

BACKGROUND  
T3-1.pdf

  
BACKGROUND  
T3-2.pdf

  
MRL  
Worksheets\_RD...

  
RDX MRL  
rationale stateme...

  
RDX\_section  
2.3.docx

  
BACKGROUND  
F3-1.pdf

  
BACKGROUND  
RDX Tox Profile....

Message

---

**From:** Gatchett, Annette [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=F12D699A71F84E21BDDBB876DAE7F96C-GATCHETT, ANNETTE]  
**Sent:** 12/8/2010 3:18:48 PM  
**To:** Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]  
**CC:** Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]; Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Gatchett, Annette [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f12d699a71f84e21bddbb876dae7f96c-Gatchett, Annette]; Jones, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eac77fe3b20c4667b8c534c90c15a830-Jones, Samantha]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]  
**Subject:** Re: Fw: RI contribution from NIEHS

I agree with John. This seems reasonable based on time and money however, number of samples and statistics will be key. In the case of ETBE it is less of an issue since we have the JPEG study.

Annette M. Gatchett  
Acting Director, Cincinnati Division  
National Center for Environmental Assessment (NCEA)  
US EPA  
26 West Martin Luther King MS A-110  
Cincinnati, Ohio 45268  
513\569-7697

**From:** John Vandenberg/RTP/USEPA/US  
**To:** Becki Clark/DC/USEPA/US@EPA  
**Cc:** bussard.david@epa.gov, cogliano.vincent@epa.gov, flowers.lynn@epa.gov, gatchett.annette@epa.gov, jones.samantha@epa.gov, winner.darrell@epa.gov  
**Date:** 12/08/2010 09:08 AM  
**Subject:** Re: Fw: RI contribution from NIEHS

I'm not surprised the cost means we have to make choices. John B points to timeliness too.

# Deliberative Process / Ex. 5

John  
John Vandenberg, PhD

Director, RTP Division  
National Center for Environmental Assessment B243-01  
Office of Research and Development, USEPA  
Research Triangle Park, NC 27711

Tel: 919 541 4527  
Fax: 919 541 5078

From: Becki Clark/DC/USEPA/US  
To: flowers.lynn@epa.gov, cogliano.vincent@epa.gov, vandenbergh.john@epa.gov, bussard.david@epa.gov, jones.samantha@epa.gov, gatchett.annette@epa.gov, winner.darrell@epa.gov  
Date: 12/08/2010 08:54 AM  
Subject: Fw: RI contribution from NIEHS

I think this is okay, though I don't see aspartame in this proposal. Any comments?

-----  
Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: "Bucher, John (NIH/NIEHS) [E]" [bucher@niehs.nih.gov]  
Sent: 12/07/2010 10:06 AM EST  
To: Becki Clark  
Cc: "Malarkey, David (NIH/NIEHS) [E]" <malarkey@niehs.nih.gov>  
Subject: Re: RI contribution from NIEHS

# Deliberative Process / Ex. 5

Thanks, John

On 12/6/10 4:51 PM, "Clark.Beki@epamail.epa.gov" <Clark.Beki@epamail.epa.gov> wrote:

John,

# Deliberative Process / Ex. 5

-----  
Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: "Bucher, John (NIH/NIEHS) [E]" [bucher@niehs.nih.gov]  
Sent: 12/06/2010 03:29 PM EST  
To: Becki Clark  
Subject: RI contribution from NIEHS

# Deliberative Process / Ex. 5



Message

**From:** Karen Hammerstrom [Hammerstrom.KarenLNDU@usepa.onmicrosoft.com]  
**Sent:** 8/2/2011 10:20:26 PM  
**To:** Barone, Stan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a4f8618acbb418da24c110f3123a2af-Barone, Stan]  
**CC:** CN=Audrey Hoffer/OU=DC/O=USEPA/C=US@EPA; Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]; Corona, Elizabeth [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=18d86fb8269b4557b5d06622b3a941af-Corona, Elizabeth]; Avery, James [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b0fc9e70467647709fa9377dfb987f10-Avery, James]; Deener, Kathleen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b9a2ff1c086249ea8f6414afde8a5e54-Deener, Kathleen]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Gwinn, Maureen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4bdc5237a5c440a7b664518e23eb5647-Gwinn, Maureen]; Birchfield, Norman [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c910f2fd28414e819b6afe6dda525e9f-Birchfield, Norman]; Jones, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eac77fe3b20c4667b8c534c90c15a830-Jones, Samantha]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**Subject:** Re: Fw: Information/interview request  
**Attachments:** GAO Information Request-August 2, 2011.doc; IRIS Assessments as of August 2, 2011.xlsx; Data Questions for EPA kah 07-11-11.doc

Here's the updated list of milestones achieved and the latest version of the responses to GAO questions. In the data questions file, I highlighted a few places where questions were unclear.



IRIS Assessments  
as of August 2, 2...



Data Questions for  
EPA kah 07-11-1...

Karen A. Hammerstrom  
Deputy Director, Integrated Risk Information System (IRIS)  
U.S. Environmental Protection Agency  
Office of Research and Development  
National Center for Environmental Assessment (8601-P)  
1200 Pennsylvania Ave. NW  
Washington, DC 20460

Telephone: 703 347 8642

**From:** Stan Barone/DC/USEPA/US  
**To:** Becki Clark/DC/USEPA/US@EPA, Darrell Winner/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA, Karen Hammerstrom/DC/USEPA/US@EPA, Norman Birchfield/DC/USEPA/US@EPA, Maureen Gwinn/DC/USEPA/US@EPA, James Avery/DC/USEPA/US@EPA, Lynn Flowers/DC/USEPA/US@EPA, Kathleen Deener/DC/USEPA/US@EPA, Audrey Hoffer/DC/USEPA/US@EPA, Samantha Jones/DC/USEPA/US@EPA, Elizabeth Corona/DC/USEPA/US@EPA

Date: 08/02/2011 12:20 PM  
Subject: Fw: Information/interview request

FYI

Since we have a DD meeting and interagency discussion for Thursday 11 it seems like the August 9 might work better?

I expect this will be our last chance to get data corrections in for their report.

I would propose that we sit down and go over questions and materials ahead of time. Is that possible this Friday?

---

Stanley Barone, Jr., Ph.D.  
Senior Scientist/Assistant Center Director for Health  
Deputy National Program Director for Human Health Risk Assessment  
NCEA/ORD Mail Code 8601P  
1200 Pennsylvania Ave. NW  
U. S. Environmental Protection Agency, 20006

703-347-8555 (phone)

703-347-8699 (fax)

Personal Matters / Ex. 6 (cell)

Courier Address (FedEx, UPS, etc.)  
Mail Code 8601P 7th Floor N-7913  
Two Potomac Yard (North Building)  
Arlington, VA 22202  
USA

----- Forwarded by Stan Barone/DC/USEPA/US on 08/02/2011 12:14 PM -----

From: "Lingard, Summer A" <LingardS@gao.gov>  
To: Stan Barone/DC/USEPA/US@EPA  
Date: 08/02/2011 10:45 AM  
Subject: Information/interview request

Hi Stan -- I hope all is well. Attached is a request for some information -- it's mostly things we've asked for in previous interviews or updates of documents you've sent in the past. Let me know if anything isn't clear.

Also, we have some general follow-up questions for you -- mostly clarifying things we've discussed in the past and questions regarding EPA's response to the NAS formaldehyde report. I was hoping we could meet next week - we're free all day Tuesday, August 9 or Thursday, August 11 to do a video conference. Let me know if either of those works for you.

Finally, I wanted to let you know that our requestor asked us to move our issue date. We will now be issuing our report on October 26, 2011. We will send you a draft for Agency comments September 15.

Let me know if you have questions,  
Summer



GAO Information  
Request-August ...

Message

**From:** Barone, Stan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A4F8618ACBBA418DA24C110F3123A2AF-BARONE, STAN]  
**Sent:** 5/25/2011 6:27:28 PM  
**To:** Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**CC:** Corona, Elizabeth [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=18d86fb8269b4557b5d06622b3a941af-Corona, Elizabeth]  
**Subject:** Fw: ATSDR response to the National Academy of Sciences letter  
**Attachments:** Letter of response to Donald Schregardus 5-23-2011.pdf; Letter from NAS to Secretary Mabus.pdf

FYI,

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

Stanley Barone, Jr., Ph.D.  
Senior Scientist  
Assistant Center Director for Health  
NCEA/ORD Mail Code 8601P  
1200 Pennsylvania Ave. NW  
U. S. Environmental Protection Agency, 20006

703-347-8555 (phone)

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Personal Matters / Ex. 6 (cell)

Courier Address (FedEx, UPS, etc.)  
Mail Code 8601P 7th Floor N-7913  
Two Potomac Yard (North Building)  
Arlington, VA 22202  
USA

----- Forwarded by Stan Barone/DC/USEPA/US on 05/25/2011 02:22 PM -----

**From:** Kate Guyton/DC/USEPA/US  
**To:** Ambuja Bale/DC/USEPA/US@EPA, Barbara Glenn/DC/USEPA/US@EPA, Cheryl Scott/DC/USEPA/US@EPA, Glinda Cooper/DC/USEPA/US@EPA, Maureen Gwinn/DC/USEPA/US@EPA, Karen Hogan/DC/USEPA/US@EPA, Leonid Kopylev/DC/USEPA/US@EPA, Ravi Subramaniam/DC/USEPA/US@EPA, Stan Barone/DC/USEPA/US@EPA, Susan Makris/DC/USEPA/US@EPA, Weihsueh Chiu/DC/USEPA/US@EPA, Bob Sonawane/DC/USEPA/US@EPA, Paul White/DC/USEPA/US@EPA, Gina Perovich/DC/USEPA/US@EPA, Charles Ris/DC/USEPA/US@EPA  
**Date:** 05/25/2011 01:47 PM  
**Subject:** Fw: ATSDR response to the National Academy of Sciences letter

FYI.  
Kate

----- Forwarded by Kate Guyton/DC/USEPA/US on 05/25/2011 01:46 PM -----

**From:** Mike Partain <Personal Matters / Ex. 6>  
**To:** Kate Guyton/DC/USEPA/US@EPA

Cc: "Jeff \Bill Nelson\ Fatora" <Jeff\_Fatora@billnelson.senate.gov>, "heather.parsons" <heather.parsons@mail.house.gov>, Brooks Tucker <Brooks\_Tucker@burr.senate.gov>, Roger Pena <Roger\_Pena@hagan.senate.gov>, "kristen.sellas" <kristen.sellas@mail.house.gov>, jmensminger <jmensminger@hotmail.com>  
Date: 05/24/2011 06:12 PM  
Subject: Fwd: ATSDR response to the National Academy of Sciences letter

Dr. Guyton,

I thought you and your colleagues at the EPA would be interested in the attached letter from the Director of ATSDR regarding the NRC's report on Camp Lejeune. As we all know, the EPA's Draft Risk Assessment for TCE and PCE has received strong criticism from industry special interest, including representatives from HSIA. These industry lobbyists have repeatedly attempted to cite the NRC Report on Camp Lejeune as evidence that EPA is wrong with their conclusions regarding the subject two chemicals. Please share this letter with the TCE chemical manager as well.

Two weeks ago I noted a letter from Senator Vitter attacking the IRIS process. the EPA has laboriously reviewed both TCE and PCE since the late 1970's. Could you please advise if the Senator's letter has or will effect the EPA's time table to promptly conclude your much needed and anticipated risk assessments for PCE and TCE?

Mike Partain

Begin forwarded message:

**From:** "Bove, Frank J. (ATSDR/DHS/SRB)" <fjb0@cdc.gov>

**Date:** May 23, 2011 1:21:07 PM EDT

**To:** Jerome Ensminger <[REDACTED]>, Mike Partain <[REDACTED] Personal Matters / Ex. 6>, Mike work <[REDACTED] Personal Matters / Ex. 6>, jeff & mary byron <[REDACTED] Personal Matters / Ex. 6>, Jim Fontella <[REDACTED] Personal Matters / Ex. 6>, "Bridges, Sandra" <[REDACTED] Personal Matters / Ex. 6>, "Townsend Tom" <[REDACTED] Personal Matters / Ex. 6>, "Clapp, Richard" <rclapp@bu.edu>, 'Mary Blakely' <[REDACTED] Personal Matters / Ex. 6>, "Davis, Devra" <[REDACTED] Personal Matters / Ex. 6>  
**Cc:** "Ruckart, Perri (ATSDR/DHS/SRB)" <afp4@cdc.gov>

**Subject:** ATSDR response to the National Academy of Sciences letter

Hi Everyone

Attached is a letter to Donald Schregardus of the Navy from Dr. Portier. In October 2010, Dr. Portier wrote a letter to the Navy concerning the use of the NRC Lejeune report in the booklet on the USMC website. The Navy did not reply to Dr. Portier's letter but instead sent a letter to the National Academy of Sciences for a response. Dr. Cicerone, President of the National Academy of Sciences, wrote a letter back to the Navy. This is also attached. Dr. Portier's letter to Mr. Schregardus is in response to Dr. Cicerone's letter.

If you have any questions, let me know.

Frank J. Bove, Sc.D  
Senior Epidemiologist  
Division of Health Studies  
Agency for Toxic Substances and Disease Registry (ATSDR)/CDC  
Mailstop F-57  
4770 Buford Highway NE

Atlanta, GA 30341-3717

(770) 488-3809

(770) 488-7187 fax

[fbove@cdc.gov](mailto:fbove@cdc.gov)



Letter of response  
to Donald Schreg...



Letter from NAS to  
Secretary Mabus...

Message

---

**From:** Barone, Stan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A4F8618ACBBA418DA24C110F3123A2AF-BARONE, STAN]  
**Sent:** 11/22/2010 10:12:30 PM  
**To:** Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; Debra Walsh [Walsh.DebraLNDU@usepa.onmicrosoft.com]; Perovich, Gina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e3c19d7f4db41bfa2477aa27ad83945-Perovich, Gina]; Gatchett, Annette [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f12d699a71f84e21bddbb876dae7f96c-Gatchett, Annette]; Avery, James [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b0fc9e70467647709fa9377dfb987f10-Avery, James]; Joe DeSantis [DeSantis.JoeLNDU@usepa.onmicrosoft.com]; Berner, Ted [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f1949c9653024d3cb4aa4c2bd69c4fde-Berner, Ted]; Jones, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eac77fe3b20c4667b8c534c90c15a830-Jones, Samantha]; Raffaele, Kathleen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cc48281bbab34bf5bf3ab1a63780d5ca-Kathleen Raffaele]; Deener, Kathleen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b9a2ff1c086249ea8f6414afde8a5e54-Deener, Kathleen]; CN=Linda Tuxen/OU=DC/O=USEPA/C=US@EPA  
**CC:** Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Karen Hammerstrom [Hammerstrom.KarenLNDU@usepa.onmicrosoft.com]  
**Subject:** Fw: Data Update Request on IRIS  
**Attachments:** IRIS table 1 and 2 chemicals 11-12-10 v1.doc; HHRA 2009-2010 IRIS Performance Charts Sept 30 2010.xls; IRIS milestone table 2011 11-12-10.xls; IRIS GAO PeerReviewType\_rev 11 12 10.xls

I wanted to make sure all of you had what we recently sent to GAO.

see attachments pasted below into request.

---

Stanley Barone, Jr., Ph.D.  
Senior Scientist  
Assistant Center Director for Health  
NCEA/ORD Mail Code 8601P  
1200 Pennsylvania Ave. NW  
U. S. Environmental Protection Agency, 20006

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703-347-8699 (fax)  

Personal Matters / Ex. 6

 (cell)

Courier Address (FedEx, UPS, etc.)  
Mail Code 8601P 7th Floor N-7913  
Two Potomac Yard (North Building)  
Arlington, VA 22202

USA

----- Forwarded by Stan Barone/DC/USEPA/US on 11/22/2010 05:06 PM -----

From: Stan Barone/DC/USEPA/US  
To: "Kniss, Michael" <KnissM@GAO.GOV>  
Cc: "Grace, Robert T" <GraceR@gao.gov>, "Lingard, Summer A" <LingardS@gao.gov>, Becki Clark/DC/USEPA/US@EPA, Darrell Winner/DC/USEPA/US@EPA, Lynn Flowers/DC/USEPA/US@EPA, Karen Hammerstrom/DC/USEPA/US@EPA, Deborah Heckman/DC/USEPA/US@EPA, MarkT Howard/DC/USEPA/US@EPA, Bobbie Trent/DC/USEPA/US@EPA  
Date: 11/17/2010 03:38 PM  
Subject: Re: Data Update Request

Mike

See below I pasted attachments into your request.

Note as per our phone conversation I am still updating item number 1.

---

Stanley Barone, Jr., Ph.D.  
Senior Scientist  
Assistant Center Director for Health  
NCEA/ORD Mail Code 8601P  
1200 Pennsylvania Ave. NW  
U. S. Environmental Protection Agency, 20006

703-347-8555 (phone)

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Courier Address (FedEx, UPS, etc.)  
Mail Code 8601P 7th Floor N-7913  
Two Potomac Yard (North Building)  
Arlington, VA 22202  
USA

From: "Kniss, Michael" <KnissM@GAO.GOV>  
To: Stan Barone/DC/USEPA/US@EPA  
Cc: "Lingard, Summer A" <LingardS@gao.gov>, "Grace, Robert T" <GraceR@gao.gov>  
Date: 11/02/2010 11:31 AM  
Subject: Data Update Request

Stan,

Greetings! We're in the process of updating some of our data given the new fiscal year now begun, and I was hoping you could help us with a few things.

Please send us an updated/current version of the following:

1) Karen's Spreadsheet (the detailed table of "Actual Key Dates for IRIS Assessments"--which you sent us on August 3).

**pending**

2) The Iris Agenda Tables (Table 1 and Table 2--which you also sent us on August 3).



IRIS table 1 and 2  
chemicals 11-12...

3) The final FY2010 IRIS Milestones Achieved and Points Awarded.



HHRA 2009-2010  
IRIS Performanc...

4) If you have already prepared the FY2011 IRIS Candidate Milestones and Points.



IRIS milestone  
table 2011.11-12...

# Deliberative Process / Ex. 5



IRIS GAO  
PeerReviewType...

We also wanted to let you know that I and my colleague, Rob Grace, will be attending the upcoming public listening sessions for Urea and Hexavalent Chromium to observe how they function.

Thanks so much for your help and let me know if you have any questions.

Thanks,  
Michael Kniss

Michael Kniss  
Analyst  
Natural Resources and Environment  
Government Accountability Office  
[attachment "Peer Review Type (To EPA).xls" deleted by Stan Barone/DC/USEPA/US]



Message

---

**From:** Flowers, Lynn [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1A4411C874D041B9A8BADFC32B91BD70-FLOWERS, LYNN]  
**Sent:** 12/21/2010 9:14:46 PM  
**To:** Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]  
**CC:** Gatchett, Annette [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f12d699a71f84e21bddbb876dae7f96c-Gatchett, Annette]; CN=Audrey Hoffer/OU=DC/O=USEPA/C=US@EPA; Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; CN=Linda Tuxen/OU=DC/O=USEPA/C=US@EPA; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Jones, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eac77fe3b20c4667b8c534c90c15a830-Jones, Samantha]  
**Subject:** Re: Fw: Revised protocol and costs for RI review.  
**Attachments:** Ramazzini - Technical Proposal revised (EPL)[1].pdf; Ramazzini - Cost Proposal revised (EPL).pdf

Becki et al:

# Deliberative Process / Ex. 5

Lynn Flowers, PhD, DABT  
Acting Associate Director for Health  
National Center for Environmental Assessment  
Office of Research and Development  
U.S. EPA

Mailing address:  
1200 Pennsylvania Ave., NW (8601P)  
Washington, DC 20460  
Phone: 703-347-8537  
FAX: 703-347-8699

Physical location:  
Two Potomac Yard (North Building)  
2733 S. Crystal Drive  
Arlington, VA 22202

From: Becki Clark/DC/USEPA/US  
To: Lynn Flowers/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA, John Vandenberg/RTP/USEPA/US@EPA, Annette Gatchett/CI/USEPA/US@EPA, David Bussard/DC/USEPA/US@EPA  
Cc: Linda Tuxen/DC/USEPA/US@EPA, Audrey Hoffer/DC/USEPA/US@EPA  
Date: 12/21/2010 03:40 PM  
Subject: Fw: Revised protocol and costs for RI review.

Please share with your staff as appropriate. Think we are closing in on a final proposal.

Becki Clark  
Acting Director  
National Center for Environmental Assessment  
(703) 347-8551

----- Forwarded by Becki Clark/DC/USEPA/US on 12/21/2010 03:37 PM -----

From: "Bucher, John (NIH/NIEHS) [E]" <bucher@niehs.nih.gov>  
To: Becki Clark/DC/USEPA/US@EPA  
Date: 12/21/2010 12:38 PM  
Subject: Revised protocol and costs for RI review.

# Deliberative Process / Ex. 5

Thanks for your comments and I hope you get to take some time off. John

--



Ramazzini -  
Technical Propo...



Ramazzini - Cost  
Proposal revised...

Message

---

**From:** Clark, Becki [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A906E07F1CD143B9A3C2DDAB813B8140-CLARK, BECKI]  
**Sent:** 4/12/2011 4:55:24 PM  
**To:** Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]  
**CC:** Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]; CN=Audrey Hoffer/OU=DC/O=USEPA/C=US@EPA  
**Subject:** Re: Fw: questions of yesterday re methanol...

Thanks!

Becki Clark  
Acting Director  
National Center for Environmental Assessment  
(703) 347-8551

From: John Vandenberg/RTP/USEPA/US  
To: Becki Clark/DC/USEPA/US@EPA  
Cc: Lynn Flowers/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA, winner.darrell@epa.gov  
Date: 04/12/2011 12:45 PM  
Subject: Re: Fw: questions of yesterday re methanol...

Becki,

## Deliberative Process / Ex. 5

John

John Vandenberg, PhD  
Director, RTP Division  
National Center for Environmental Assessment B243-01  
Office of Research and Development, USEPA  
Research Triangle Park, NC 27711

Tel: 919 541 4527  
Fax: 919 541 5078

From: Becki Clark/DC/USEPA/US  
To: John Vandenberg/RTP/USEPA/US@EPA

Cc: Lynn Flowers/DC/USEPA/US@EPA, winner.darrell@epa.gov, Vincent Cogliano/DC/USEPA/US@EPA  
Date: 04/12/2011 10:51 AM  
Subject: Fw: questions of yesterday re methanol...

John,

Can you please call Mary Hanley in Bob Sussman's office to discuss? See her question below. Thanks.

Becki Clark  
Acting Director  
National Center for Environmental Assessment  
(703) 347-8551

—— Forwarded by Becki Clark/DC/USEPA/US on 04/12/2011 10:49 AM ——

From: Kevin Teichman/DC/USEPA/US  
To: Becki Clark/DC/USEPA/US@EPA  
Date: 04/12/2011 10:44 AM  
Subject: Fw: questions of yesterday re methanol...

Kevin Teichman  
Deputy Assistant Administrator  
for Science (8101R)  
Office of Research and Development  
Room 41225 Ronald Reagan Building  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, N.W.  
Washington, DC 20460  
(202) 564-6620 (Telephone)  
(202) 565-2430 (Fax)  
teichman.kevin@epa.gov (email)

—— Forwarded by Kevin Teichman/DC/USEPA/US on 04/12/2011 10:43 AM ——

From: Mary Hanley/DC/USEPA/US  
To: Maryellen Radzikowski/DC/USEPA/US@EPA  
Cc: Elizabeth Blackburn/DC/USEPA/US@EPA, Joanne Rodman/DC/USEPA/US@EPA, Kevin Teichman/DC/USEPA/US@EPA  
Date: 04/12/2011 10:00 AM  
Subject: Re: Fw: questions of yesterday re methanol...

Hi Mary Ellen,

# Deliberative Process / Ex. 5

Thanks  
Mary

Mary Hanley  
Special Assistant  
Office of the Administrator  
US EPA (Mail Code 1101A)  
1200 Pennsylvania Ave, NW  
Washington DC 20460  
Ph: 202-564-0316

FAX: 202-501-1428

From: Maryellen Radzikowski/DC/USEPA/US  
To: Mary Hanley/DC/USEPA/US@EPA  
Cc: Kevin Teichman/DC/USEPA/US@EPA, Elizabeth Blackburn/DC/USEPA/US@EPA, Joanne Rodman/DC/USEPA/US@EPA  
Date: 04/12/2011 08:11 AM  
Subject: Fw: questions of yesterday re methanol...

as requested.

----- Forwarded by Maryellen Radzikowski/DC/USEPA/US on 04/12/2011 08:11 AM -----

From: Audrey Hoffer/DC/USEPA/US  
To: Maryellen Radzikowski/DC/USEPA/US@EPA  
Date: 04/11/2011 06:59 PM  
Subject: Re: Fw: questions

NCEA answer:

# Deliberative Process / Ex. 5

Audrey Hoffer  
Communications Director  
National Center for Environmental Assessment  
Office of Research & Development  
US Environmental Protection Agency  
703.347.0218  
hoffer.audrey@epa.gov

From: Maryellen Radzikowski/DC/USEPA/US  
To: Audrey Hoffer/DC/USEPA/US@EPA  
Date: 04/11/2011 03:57 PM  
Subject: Fw: questions

can you handle ? thank you.

Mary Ellen Radzikowski  
Chief of Staff  
Office of Research and Development

Phone: (202) 564-6757

Fax: (202) 565-2911

radzikowski.maryellen@epa.gov

----- Forwarded by Maryellen Radzikowski/DC/USEPA/US on 04/11/2011 03:57 PM -----

From: Mary Hanley/DC/USEPA/US  
To: Maryellen Radzikowski/DC/USEPA/US@EPA  
Cc: Audrey Hoffer/DC/USEPA/US@EPA  
Date: 04/11/2011 03:55 PM  
Subject: Re: questions

## Deliberative Process / Ex. 5

Mary Hanley  
Special Assistant  
Office of the Administrator  
US EPA (Mail Code 1101A)  
1200 Pennsylvania Ave, NW  
Washington DC 20460  
Ph: 202-564-0316  
FAX: 202-501-1428

From: Maryellen Radzikowski/DC/USEPA/US  
To: Mary Hanley/DC/USEPA/US@EPA  
Cc: Audrey Hoffer/DC/USEPA/US@EPA  
Date: 04/11/2011 03:51 PM  
Subject: questions

Mary.. confirmed that the methanol non cancer DRAFT assessment is going to be released April 18 for public comment and external peer review. A FR Notice will go out monday to accompany this.

### Deliberative Process / Ex. 5

#### Deliberative Process / Ex. 5

group set up by EPA NIEHS to do reviews.

PWG is the Pathology Working Group independent

I am cc'ing Audrey Hoffer, NCEA, to keep her in the loop.

Mary Ellen Radzikowski  
Chief of Staff  
Office of Research and Development

Phone: (202) 564-6757

Fax: (202) 565-2911

radzikowski.maryellen@epa.gov

Message

---

**From:** Jane Caldwell [Caldwell.JaneLNDU@usepa.onmicrosoft.com]  
**Sent:** 10/3/2011 10:01:17 PM  
**To:** White, Paul [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4e179825823c44ebbb07a9704e1e5d16-White, Paul]; Bob Sonawane [Sonawane.BobLNDU@usepa.onmicrosoft.com]; Ila Cote [Cote.IlaLNDU@usepa.onmicrosoft.com]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Kate Guyton [Guyton.KateLNDU@usepa.onmicrosoft.com]; Weihsueh Chiu [Chiu.WeihsuehLNDU@usepa.onmicrosoft.com]; Jennifer Jinot [Jinot.JenniferLNDU@usepa.onmicrosoft.com]; Cheryl Scott [Scott.CherylLNDU@usepa.onmicrosoft.com]  
**Subject:** Fw: Quackery -- Antioxidants and cancer -- LancetOncology  
**Attachments:** science-2.pdf

FYI

----- Forwarded by Jane Caldwell/DC/USEPA/US on 10/03/2011 05:57 PM -----

**From:** "Huff, James (NIH/NIEHS) [E]" <huff1@niehs.nih.gov>  
**To:** Lauren Zeise <lzeise@oehha.ca.gov>, frank mirer <fmirer@hunter.cuny.edu>, "Dunnick, June (NIH/NIEHS) [E]" <dunnickj@niehs.nih.gov>, "Johnson, Frank (NIH/NIEHS) [E]" <johnson1@niehs.nih.gov>, "Jirles, Bill (NIH/NIEHS) [E]" <jirles@niehs.nih.gov>, peter infante <pinfante@starpower.net>, fiorella belpoggi <belpoggif@ramazzini.it>, kamal abdo <[**Personal Matters / Ex. 6**]>, Jane Caldwell/DC/USEPA/US@EPA, "Lunn, Ruth (NIH/NIEHS) [E]" <lunn@niehs.nih.gov>, loretta schuman <Schuman.Loretta@dol.gov>, kathy burns <kmb@sciencecorps.org>, "Burch, Loranell (NIH/NIEHS) [E]" <burchl@niehs.nih.gov>, Jerrold Ward <veterinarypathology@gmail.com>, Doug Bristol <d[**Personal Matters / Ex. 6**]>  
**Date:** 10/03/2011 04:58 PM  
**Subject:** Quackery -- Antioxidants and cancer -- LancetOncology

Quackery  
Antioxidants and cancer

Intelligence is recognising that a tomato is a fruit.  
Wisdom is knowing not to put one in a fruit salad.



science-2.pdf

Message

**From:** Miller, Gregory [Personal Matters / Ex. 6]  
**Sent:** 6/20/2011 2:13:06 PM  
**To:** IRISinteragency [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ebdcd47aa94d442c8ffaa46f6d1f5123-IRISinterag]  
**CC:** Patel, Manisha [Personal Matters / Ex. 6]; Buffa, Nikki [Personal Matters / Ex. 6]; Randall, Lindsay C. [Personal Matters / Ex. 6]  
**Subject:** RE: NCEA Interagency Communication #123 (Transmission of revised draft acrylonitrile information)

# Deliberative Process / Ex. 5

Greg Miller  
Deputy Associate Director for Chemical Regulations  
White House Council on Environmental Quality  
202-395-3532 (office)  
[Personal Matters / Ex. 6] (mobile)

[www.whitehouse.gov/ceq](http://www.whitehouse.gov/ceq)

-----Original Message-----

**From:** Birchfield.Norman@epamail.epa.gov [mailto: Birchfield.Norman@epamail.epa.gov] On Behalf of [Personal Matters / Ex. 6]

**Sent:** Monday, June 06, 2011 4:32 PM

**To:** Anita.K.Meyer@usace.army.mil; Camille.Mittelholtz@dot.gov; chris.colburn@nrc.gov; Daniel.Cohen@hq.doe.gov; Mancini, Dominic J.; Pagan-Rodriguez, Doritza; Edens.Mandy@dol.gov; Elizabeth.Kohl@hq.doe.gov; gregory.trussell@nrc.gov; james.leatherwood-1@nasa.gov; Laity, Jim; jdm@nrc.gov; Bromberg, Kevin L.; KHatlelid@cpsc.gov; Linda.S.Wennerberg@nasa.gov; mark.j.schoppet@nasa.gov; Michael.Hodgson@va.gov; Michael.Kuperberg@science.doe.gov; Beck, Nancy; Bennett, Patty; Rodan, Bruce; Paul.Yaroschak@osd.mil; Perry.Bill@dol.gov; Sandra.Howard@HHS.GOV; Shannon.Cunniff@osd.mil; sherri.hutchens@us.army.mil; Fong, Tera L.; tremaine.donnell@nrc.gov; tthomas@cpsc.gov; birchfield.Norman@epa.gov; poster@nist.gov; Patel, Manisha; Miller, Gregory

**Cc:** [Personal Matters / Ex. 6]

**Subject:** NCEA Interagency Communication #123 (Transmission of revised draft acrylonitrile information)

Dear Interagency Colleagues:

# Deliberative Process / Ex. 5



# Deliberative Process / Ex. 5

Norm

Highlighted text:  
(See attached file: Selected sections and highlights of EPR draft ACN  
TR.pdf)

---

Norman Birchfield, Ph.D.  
National Center for Environmental Assessment Office of Research and Development U.S. EPA  
Phone: (703) 347-0174

Message

---

**From:** Flowers, Lynn [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1A4411C874D041B9A8BADFC32B91BD70-FLOWERS, LYNN]  
**Sent:** 1/20/2011 8:19:30 PM  
**To:** Jones, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eac77fe3b20c4667b8c534c90c15a830-Jones, Samantha]; Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]  
**Subject:** Question re: Ramazzini from John Bucher

I told him that we would get back with him soon. At this moment , I don't actually know what he is asking.  
Lynn

Lynn Flowers, PhD, DABT  
Acting Associate Director for Health  
National Center for Environmental Assessment  
Office of Research and Development  
U.S. EPA

Mailing address:  
1200 Pennsylvania Ave., NW (8601P)  
Washington, DC 20460  
Phone: 703-347-8537  
FAX: 703-347-8699

Physical location:  
Two Potomac Yard (North Building)  
2733 S. Crystal Drive  
Arlington, VA 22202

----- Forwarded by Lynn Flowers/DC/USEPA/US on 01/20/2011 03:17 PM -----

**From:** "Bucher, John (NIH/NIEHS) [E]" <bucher@niehs.nih.gov>  
**To:** Lynn Flowers/DC/USEPA/US@EPA  
**Date:** 01/20/2011 02:51 PM  
**Subject:** Re: Ramazzini press question-deadline today

Lynn, everything looks to be a go with the path reviews for the Ramazzini studies. One question remains and that is which of the studies of vinyl chloride and acrylonitrile is EPA most interested in having reviewed. If you could give some features of the studies, doses, numbers of animals, etc. that would allow the RI to identify which study is of interest, that would be very helpful. Thanks, John

On 1/19/11 9:17 AM, "Flowers.Lynn@epamail.epa.gov" <Flowers.Lynn@epamail.epa.gov> wrote:

John: We are responding to a press inquiry (bottom of email chain). Please see the 3 line response below. We have also been working on a longer EPA press release that we will share with you soon. Do you have

any problems with the short response below that would come out in the press either tomorrow or Friday in a longer article that we have no control over.....sigh.

Let me know, OK--email or call.....

Lynn

## Deliberative Process / Ex. 5

Lynn Flowers, PhD, DABT  
Acting Associate Director for Health  
National Center for Environmental Assessment  
Office of Research and Development  
U.S. EPA

Mailing address:  
1200 Pennsylvania Ave., NW (8601P)  
Washington, DC 20460  
Phone: 703-347-8537  
FAX: 703-347-8699

Physical location:  
Two Potomac Yard (North Building)  
2733 S. Crystal Drive  
Arlington, VA 22202

----- Forwarded by Lynn Flowers/DC/USEPA/US on 01/19/2011 08:59 AM -----

From: Lynn Flowers/DC/USEPA/US  
To: Becki Clark/DC/USEPA/US@EPA, Kevin Teichman/DC/USEPA/US@EPA  
Cc: hoffer.audrey@epa.gov, winner.darrell@epa.gov  
Date: 01/19/2011 08:59 AM  
Subject: Re: Fw: Ramazzini question

Becki and Kevin: Audrey and I came up with the following.....let us know if you have any issues. The deadline is 4 pm. Also, I will run this by John Bucher.

## Deliberative Process / Ex. 5

Lynn Flowers, PhD, DABT  
Acting Associate Director for Health  
National Center for Environmental Assessment  
Office of Research and Development  
U.S. EPA

Mailing address:  
1200 Pennsylvania Ave., NW (8601P)  
Washington, DC 20460  
Phone: 703-347-8537  
FAX: 703-347-8699

Physical location:  
Two Potomac Yard (North Building)  
2733 S. Crystal Drive  
Arlington, VA 22202

From: Becki Clark/DC/USEPA/US  
To: teichman.kevin@epa.gov  
Cc: hoffer.audrey@epa.gov, flowers.lynn@epa.gov,  
winner.darrell@epa.gov  
Date: 01/18/2011 05:29 PM  
Subject: Fw: Ramazzini question

We have a statement drafted. Will need to run it by NIEHS if we want to comment.

-----  
Sent by EPA Wireless E-Mail Services

----- Original Message -----  
From: Latisha Petteway  
Sent: 01/18/2011 04:17 PM EST  
To: Maria Hegstad <mhegstad@iwpnews.com>  
Cc: Becki Clark  
Subject: Re: Ramazzini question  
I am checking for you.

Tisha Petteway  
Press Officer

US EPA: Office of Media Relations  
1200 Pennsylvania Ave. NW  
Washington, DC 20460  
Office (202) 564-3191

From: Maria Hegstad <mhegstad@iwpnews.com>  
To: Latisha Petteway/DC/USEPA/US@EPA  
Cc: Becki Clark/DC/USEPA/US@EPA  
Date: 01/18/2011 04:13 PM  
Subject: Ramazzini question

Hi Tisha,  
Is it possible to get a status update of ORD's decision regarding its use of Ramazzini Institute data in IRIS assessments? I'm told that ORD is working through NIEHS/NTP to seek a fuller pathology review of

Ramazzini data on some of the impacted IRIS chemicals -- can you comment?

I am working on a 4 pm Wednesday (tomorrow) deadline for Inside EPA.  
Many thanks, Maria

--

Maria Hegstad  
Managing Editor, Risk Policy Report  
703-416-8541  
[mailto: mhegstad@iwpnews.com](mailto:mhegstad@iwpnews.com)  
[www.InsideEPA.com](http://www.InsideEPA.com)

Inside Washington Publishers  
1919 S. Eads St., Ste. 201  
Arlington, VA 22202

--

Message

**From:** Flowers, Lynn [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1A4411C874D041B9A8BADFC32B91BD70-FLOWERS, LYNN]  
**Sent:** 1/19/2011 4:04:42 PM  
**To:** Teichman, Kevin [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=20074f3f79c444a4b324cfbb890c7f56-Teichman, Kevin]  
**CC:** hoffer.audrey@epa.gov; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]; Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]  
**BCC:** Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**Subject:** FINAL DRAFT RESPONSE to Insideepa Ramazzini question--NIEHS approves  
**Importance:** High

Kevin: Here is the draft response to insideepa. Please let me and Audrey know if you are OK with it.  
Lynn

# Deliberative Process / Ex. 5

Lynn Flowers, PhD, DABT  
Acting Associate Director for Health  
National Center for Environmental Assessment  
Office of Research and Development  
U.S. EPA

Mailing address:  
1200 Pennsylvania Ave., NW (8601P)  
Washington, DC 20460  
Phone: 703-347-8537  
FAX: 703-347-8699

Physical location:  
Two Potomac Yard (North Building)  
2733 S. Crystal Drive  
Arlington, VA 22202

**From:** Becki Clark/DC/USEPA/US  
**To:** teichman.kevin@epa.gov  
**Cc:** hoffer.audrey@epa.gov, flowers.lynn@epa.gov, winner.darrell@epa.gov  
**Date:** 01/18/2011 05:29 PM  
**Subject:** Fw: Ramazzini question

We have a statement drafted. Will need to run it by NIEHS if we want to comment.

-----  
Sent by EPA Wireless E-Mail Services

----- Original Message -----

**From:** Latisha Petteway  
**Sent:** 01/18/2011 04:17 PM EST  
**To:** Maria Hegstad <mhegstad@iwpnews.com>  
**Cc:** Becki Clark  
**Subject:** Re: Ramazzini question

I am checking for you.

Tisha Petteway  
Press Officer

US EPA: Office of Media Relations  
1200 Pennsylvania Ave. NW  
Washington, DC 20460  
Office (202) 564-3191

From: Maria Hegstad <mhegstad@iwpnews.com>  
To: Latisha Petteway/DC/USEPA/US@EPA  
Cc: Becki Clark/DC/USEPA/US@EPA  
Date: 01/18/2011 04:13 PM  
Subject: Ramazzini question

Hi Tisha,  
Is it possible to get a status update of ORD's decision regarding its use of Ramazzini Institute data in IRIS assessments? I'm told that ORD is working through NIEHS/NTP to seek a fuller pathology review of Ramazzini data on some of the impacted IRIS chemicals -- can you comment?

I am working on a 4 pm Wednesday (tomorrow) deadline for Inside EPA.  
Many thanks, Maria

--  
Maria Hegstad  
Managing Editor, Risk Policy Report  
703-416-8541  
mailto: mhegstad@iwpnews.com  
www.InsideEPA.com

Inside Washington Publishers  
1919 S. Eads St., Ste. 201  
Arlington, VA 22202

Message

---

**From:** Bussard, David [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CF26B876393E44F38BDD06DB02DBBFE5-BUSSARD, DAVID]  
**Sent:** 12/8/2010 9:51:41 PM  
**To:** Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]  
**CC:** Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Gatchett, Annette [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f12d699a71f84e21bddbb876dae7f96c-Gatchett, Annette]; Jones, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eac77fe3b20c4667b8c534c90c15a830-Jones, Samantha]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]  
**Subject:** Two significant issues Re: Fw: RI contribution from NIEHS

Becki and Darrell,

I don't know how fast this is moving, so while I sent some emails to Samantha, I'm sending this one as well given she is at the Pthalates meeting until Friday.

We have identified two possible concerns re NIEHS info..

# Deliberative Process / Ex. 5

David

**From:** Becki Clark/DC/USEPA/US  
**To:** flowers.lynn@epa.gov, cogliano.vincent@epa.gov, vandenberg.john@epa.gov, bussard.david@epa.gov, jones.samantha@epa.gov, gatchett.annette@epa.gov, winner.darrell@epa.gov  
**Date:** 12/08/2010 08:54 AM  
**Subject:** Fw: RI contribution from NIEHS



I think this is okay, though I don't see aspartame in this proposal. Any comments?

-----  
Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: "Bucher, John (NIH/NIEHS) [E]" [bucher@niehs.nih.gov]

Sent: 12/07/2010 10:06 AM EST

To: Becki Clark

Cc: "Malarkey, David (NIH/NIEHS) [E]" <malarkey@niehs.nih.gov>

Subject: Re: RI contribution from NIEHS

# Deliberative Process / Ex. 5

Thanks, John

On 12/6/10 4:51 PM, "Clark.Beki@epamail.epa.gov" <Clark.Beki@epamail.epa.gov> wrote:

John,

# Deliberative Process / Ex. 5

-----  
Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: "Bucher, John (NIH/NIEHS) [E]" [bucher@niehs.nih.gov]

Sent: 12/06/2010 03:29 PM EST

To: Becki Clark

Subject: RI contribution from NIEHS

# Deliberative Process / Ex. 5

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Message

---

**From:** Clark, Becki [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A906E07F1CD143B9A3C2DDAB813B8140-CLARK, BECKI]  
**Sent:** 12/13/2010 8:01:00 PM  
**To:** bucher@niehs.nih.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c421f94a4d20447ca67ed6ab9ee8b03a-bucher@niehs.nih.gov]  
**CC:** Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Jones, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eac77fe3b20c4667b8c534c90c15a830-Jones, Samantha]; Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]  
**Subject:** Re: FW: RI contribution from NIEHS

John,

We have a few questions. Are you available any time tomorrow between 12:30 and 2 to discuss? Probably can resolve in a few minutes.

## Deliberative Process / Ex. 5

Let me know if that time works or if there is another time we can talk this week. Thanks.

Regards,  
Becki

Becki Clark  
Acting Director  
National Center for Environmental Assessment  
(703) 347-8551

**From:** "Bucher, John (NIH/NIEHS) [E]" <bucher@niehs.nih.gov>  
**To:** Becki Clark/DC/USEPA/US@EPA  
**Date:** 12/12/2010 08:09 PM  
**Subject:** FW: RI contribution from NIEHS

## Deliberative Process / Ex. 5

----- Forwarded Message  
**From:** "Bucher, John (NIH/NIEHS) [E]" <bucher@niehs.nih.gov>  
**Date:** Tue, 07 Dec 2010 10:06:13 -0500  
**To:** <Clark.BECKI@epamail.epa.gov>  
**Cc:** Dave Malarkey <malarkey@niehs.nih.gov>

Subject: Re: RI contribution from NIEHS

# Deliberative Process / Ex. 5

Thanks, John

On 12/6/10 4:51 PM, "Clark.Beki@epamail.epa.gov" <Clark.Beki@epamail.epa.gov> wrote:

John,

# Deliberative Process / Ex. 5

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: "Bucher, John (NIH/NIEHS) [E]" [bucher@niehs.nih.gov]

Sent: 12/06/2010 03:29 PM EST

To: Becki Clark

Subject: RI contribution from NIEHS

# Deliberative Process / Ex. 5

--

----- End of Forwarded Message

Message

---

**From:** Cogliano, Vincent [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=51F2736376AC4D32BAD2FE7CFEF2886B-COGLIANO, VINCENT]  
**Sent:** 1/18/2011 10:46:39 PM  
**To:** Everhart, Cheryl (ATSDR/OA/OD) [bqf5@cdc.gov]  
**Subject:** Re: Dr. Christopher Portier

Thank you, Cheryl ... and a good evening to you, too -- Vince

From: "Everhart, Cheryl (ATSDR/OA/OD)" <bqf5@cdc.gov>  
To: Vincent Cogliano/DC/USEPA/US@EPA  
Date: 01/18/2011 05:42 PM  
Subject: Dr. Christopher Portier

Dr. Cogliano,

It was so nice to talk with you this afternoon.

Below is Dr. Portier's contact information:

Christopher J. Portier, Ph.D.  
Director  
National Center for Environmental Health and  
Agency for Toxic Substances and Disease Registry  
Centers for Disease Control and Prevention  
4770 Buford Highway, NE  
Mail Stop F-61  
Atlanta, Georgia 30341-3717

Ph: 770-488-0604  
Fax: 770-488-3385  
Blackberry: [Personal Matters / Ex. 6]  
Alternate Cell: 9 [Personal Matters / Ex. 6]

Email: cportier@cdc.gov

My contact information is below should you need it.

Have a wonderful evening.

Cheryl Everhart  
Executive Assistant to Dr. Christopher Portier  
National Center for Environmental Health/  
Agency for Toxic Substances and Disease Registry  
Office: 770-488-0636  
BB: 678-448-2188  
Fax: 770-488-3385  
E-Mail: bqf5@cdc.gov

-----Original Message-----

From: Cogliano.Vincent@epamail.epa.gov [mailto:Cogliano.Vincent@epamail.epa.gov]  
Sent: Tuesday, January 18, 2011 5:35 PM  
To: Everhart, Cheryl (ATSDR/OA/OD)  
Subject: Re: Request for Conference call Dr. Christopher Portier

Hello again, Cheryl -- Here' my contact info, including the Blackberry that I don't give out widely:

**Personal Matters / Ex. 6**

Vince Cogliano  
Acting Director, Integrated Risk Information System (IRIS)  
National Center for Environmental Assessment  
U.S. Environmental Protection Agency  
1200 Pennsylvania Ave NW (8601P)  
Washington DC 20460

courier delivery: 2733 S Crystal Dr; Arlington VA 22202 [Cheryl: this is my office address, 7th floor, the PA Ave address above is the mailroom]

tel 703-347-0220; fax 703-347-8689

From: "Everhart, Cheryl (ATSDR/OA/OD)" <bqf5@cdc.gov>  
To: Vincent Cogliano/DC/USEPA/US@EPA  
Date: 01/17/2011 06:07 PM  
Subject: Request for Conference call Dr. Christopher Portier

Dr. Cogliano,

Dr. Christopher Portier, Director, National Center for Environmental Health/Agency for Toxic Substances and Disease Registry/CDC, would like to schedule a 30 minute conference call with you for Tuesday, January 18, 2011, regarding EPA's Peer Review: IRIS Toxicological Review of Hexavalent Chromium.

Dr. Portier is available at the following times:

12:00-12:30pm  
12:30pm - 1:00pm  
4:30pm-5:00pm

Would you be available for any of the above times? If so, please provide a number that Dr. Portier can reach you.

Should you have any questions, please let me know.

Thank you in advance for your assistance in this matter.

Cheryl Everhart  
Executive Assistant to Dr. Christopher Portier  
National Center for Environmental Health/  
Agency for Toxic Substances and Disease Registry  
Office: 770-488-0636  
Blackberry: 678-448-2188  
Fax: 770-488-3385  
E-Mail: bqf5@cdc.gov

Message

**From:** Cogliano, Vincent [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=51F2736376AC4D32BAD2FE7CFEF2886B-COGLIANO, VINCENT]  
**Sent:** 5/30/2011 10:27:20 PM  
**To:** Collar, Catharine J. (ATSDR/DTEM/OD) (CTR) [jyz4@cdc.gov]  
**Subject:** Re: Recruiting scientists in my new job at EPA

## Personal Email / Ex. 6

----- Original Message -----

From: "Collar, Catharine J. (ATSDR/DTEM/OD) (CTR)" [jyz4@cdc.gov]  
Sent: 05/30/2011 09:59 PM GMT  
To: Vincent Cogliano  
Subject: Recruiting scientists in my new job at EPA

Dear Dr. Cogliano,

## Personal Email / Ex. 6

I hope that you are having a wonderful day.

Thank you for your time and help.

All the best,  
Catharine

-----Original Message-----

From: Fowler, Bruce (ATSDR/DTEM/OD)  
Sent: Friday, May 27, 2011 9:43 AM  
To: ATSDR All DTEM  
Subject: FW: Recruiting scientists in my new job at EPA

Hi All:

This is an FYI - Dr. Cogliano apparently has 3 positions open - a couple at the entry level. Check it out if interested. I will be happy to write letters of reference if needed.

Best regards to all.  
Bruce

PS: Great party yesterday and I am going to miss all of you.

-----Original Message-----

From: Cogliano.Vincent@epamail.epa.gov [mailto:Cogliano.Vincent@epamail.epa.gov]  
Sent: Thursday, May 26, 2011 8:26 PM  
To: afan@oehha.ca.gov; Agnes\_Kane@Brown.edu; alavanjm@mail.nih.gov; amolinol@nidcr.nih.gov; Ruder, Avima M. (CDC/NIOSH/DSHEFS); andersol@ncifcrf.gov; annawu@hsc.usc.edu; antonvb@medicine.ufl.edu; Ruder, Avima M. (CDC/NIOSH/DSHEFS); awylie@umd.edu; b.baguley@auckland.ac.nz; Backingc@mail.nih.gov; bdgold@pitt.edu; blaira@mail.nih.gov; blaird@mail.nih.gov; boslandm@uic.edu; Brown.James@epamail.epa.gov; brucea@health.usyd.edu.au; bugs@uchc.edu; bullrich@utmb.edu; Fowler, Bruce (ATSDR/DTEM/OD); cailin.ucla@gmail.com; cantork@exchange.nih.gov; carl.barrett@novartis.com; carreota@ucmail.uc.edu; cdcarter@wmonline.com; CDeRosa@cdc.gov; chanp@niehs.nih.gov; Chhabrar@NIEHS.NIH.Gov; costa.dan@epa.gov; dl58S@nih.gov; david.blask@bassett.org; david.eastmond@ucr.edu; david.richardson@unc.edu; david.savitz@mssm.edu; David\_Kaufman@med.unc.edu; dbarnes@worldbank.org; dbthomas@fhcrc.org; dcrabb@iupui.edu; ddittmer@med.unc.edu; demarini.david@epa.gov; dgallowa@fhcrc.org; djb3@columbia.edu; dl58S@nih.gov; droy@fiu.edu; drtox@earthlink.net; ebarrettconnor@ucsd.edu; ecavalie@unmc.edu; ecesarmore@cornell.edu; edelzell@uab.edu; fonth@lsuhsc.edu; EK\_Jaffe@fccc.edu; Kuempel, Eileen (CDC/NIOSH/EID); elfarra@svm.vetmed.wisc.edu; elizabeth.ward@cancer.org; eoflaherty@aol.com; Erhard.X.Haus@HealthPartners.Com; eva.schernhammer@channing.harvard.edu; faustman@u.washington.edu; Flowers.Lynn@epa.gov; Beland, Frederick A. (FDA/NCTR/OCS); freemala@mail.nih.gov; Rice, Faye L. (CDC/NIOSH/EID); fritz.parl@vanderbilt.edu; fstanczyk@socal.rr.com; fwsundermanjr@compuserve.com; garnet@whi.org; gary.stoner@osumc.edu; Giuliano@moffitt.usf.edu; hal2@cdc.gov; harold\_freeman@ncsu.edu; hauptmann@nih.gov; hecht002@umn.edu; herbert1@niehs.nih.gov;



## Appointment

---

**From:** Morris, Jeff [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=55C34872E6EA40CAB78BE910AEC63321-MORRIS, JEFF]  
**Sent:** 7/24/2014 2:50:41 PM  
**To:** Morris, Jeff [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=55c34872e6ea40cab78be910aec63321-Morris, Jeff]; Henry, Tala [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8bfc0a617a4a43baa8856541c70622be-THENRY02]; Barone, Stan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a4f8618acbb418da24c110f3123a2af-Barone, Stan]; Doa, Maria [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=99e502a905374b0b890db9b22e18d92e-MDoa02]; Mottley, Tanya [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33a000296a364b0dad31fb9aaa34605d-Mottley, Tanya]; Widawsky, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f6ecd0fcbabb4a59a34d9d1ee85cc7a5-Widawsky, David]; Wright, Denise [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f3d17e47f81d4c508486b6a331c33eb7-Wright, Denise]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Perovich, Gina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e3c19d7f4db41bfa2477aa27ad83945-Perovich, Gina]; Jones, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eac77fe3b20c4667b8c534c90c15a830-Jones, Samantha]; Birchfield, Norman [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c910f2fd28414e819b6afe6dda525e9f-Birchfield, Norman]; Cleland-Hamnett, Wendy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b84439fcd02426abd539d8bb6c9ef6f-Cleland-Hamnett, Wendy]  
**CC:** Cybulski, Walter [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bd603b96ddf54942b3a7088e849e114e-Cybulski, Walter]; McQueen, Jacqueline [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3a023f4d48ee4e1f8b758fa87310f703-McQueen, Jackie]; Fegley, Robert [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=790aa5a70d9045bda631d9d6e548d704-Fegley, Robert]; Berner, Ted [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f1949c9653024d3cb4aa4c2bd69c4fde-Berner, Ted]; Gatchett, Annette [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f12d699a71f84e21bddbb876dae7f96c-Gatchett, Annette]; Hawkins, Belinda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=075561d171e845828ec67a945663a8e6-Hawkins, Belinda]; Lambert, Jason [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d2254c2fb9504e9088b2b935492b8aaf-Lambert, Jason]; Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Arzuaga, Xabier [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=391506b90acb488a9e7b6079fc84895f-Arzuaga, Xabier]; Strong, Jamie [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ea753aafefb74c268550fe6a2c187838-Benedict, Jamie]; Chiu, Weihsueh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9895659b6eb34dcabe92d46ca7b3b2f7-Chiu, Wuehsueh]; Olden, Kenneth [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8979224c77ea4d559f70cab1688f28aa-Olden, Kenneth]; D'Amico, Louis [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=78a91f83c4414910be286efe02004dbc-D'Amico, Louis J.]; Jarabek, Annie [/o=ExchangeLabs/ou=Exchange Administrative Group



(FYDIBOHF23SPDLT)/cn=Recipients/cn=8b1de54d48e1429c8129f6499211dbdb-Jarabek, Annie]; Canavan, Sheila  
[/o=ExchangeLabs/ou=Exchange Administrative Group  
(FYDIBOHF23SPDLT)/cn=Recipients/cn=8e5453ba7f3d4582a0eff06ed80a5e79-Canavan, Sheila]; Kramek, Niva  
[/o=ExchangeLabs/ou=Exchange Administrative Group  
(FYDIBOHF23SPDLT)/cn=Recipients/cn=c59e4b8db6a1429da6ba466d57a9a79c-Niva Kramek]

**Subject:** OPPT & NCEA Coordination - Call in number: 1 **Teleconference Line / Ex. 6**  
**Attachments:** OPPT NCEA Coordination Agenda 8-7-14.docx; TSCA Work Plan Chemicals website-add-drop\_8-5-14v2.xlsx; 0807 5  
year workplan synthesis.xlsx  
**Location:** DCRoomEast3371A/DC-EPA-EAST-OCSPP-OPPT  
**Start:** 8/7/2014 7:00:00 PM  
**End:** 8/7/2014 8:00:00 PM  
**Show Time As:** Out of Office



0807 5 year  
workplan synthe...

New document:



OPPT NCEA  
Coordination Age...



TSCA Work Plan  
Chemicals websi...

Purpose: to share information & discuss issues regarding IRIS & chemical assessments. Please invite others as appropriate.

We will try to alternate meeting locations between Federal Triangle and Potomac Yard.

POCs: Denise Wright, OPPT & Norman Birchfield, NCEA

**From:** Meiburg, Stan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=081F345100C74BB993E5477DB4F942D5-MEIBURG, STAN]  
**Sent:** 12/9/2014 9:46:40 PM  
**To:** Meiburg, Stan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=081f345100c74bb993e5477db4f942d5-Meiburg, Stan]; Fritz, Matthew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0593db850724461799cb78eacbd5e461-Fritz, Matthew]; Kavlock, Robert [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eebac67f01094409a7fdaa955a837884-Kavlock, Robert]; Kadeli, Lek [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=39efee1e9a134afcbfdba386067c3462-Kadeli, Lek]; Olden, Kenneth [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8979224c77ea4d559f70cab1688f28aa-Olden, Kenneth]; Perovich, Gina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e3c19d7f4db41bfa2477aa27ad83945-Perovich, Gina]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; D'Amico, Louis [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=78a91f83c4414910be286efe02004dbc-D'Amico, Louis J.]; Blackburn, Elizabeth [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a080eb90549a453aaa6a357f5257c0b7-Blackburn, Elizabeth]; Mazur, Sarah [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17239e84cf754302834dce90abaf21d4-Mazur, Sarah]; Smith, Kelley [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=83492f2021db4de0ab4ebcfafce7b12c-Smith, Kelley]  
**CC:** Gentry, Nathan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a8f7a2857a234d06b785cc36c73fddddd-Gentry, Nathan]; Burke, Thomas [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=39ffc3dd34ea495b9a31e61b778fbbec-Burke, Thom]  
**Subject:** IRIS Briefing  
**Location:** WJC-N 3412  
**Start:** 1/29/2015 9:30:00 PM  
**End:** 1/29/2015 10:30:00 PM  
**Show Time As:** Out of Office

### Teleconference Line / Ex. 6

Point of Contact for the Meeting: Sarah Mazur or Nathan Gentry

Purpose: To provide an informational briefing to the Deputy on ORD's Integrated Risk Information System (IRIS) Program. The Deputy requested this briefing from ORD.

Role of the Deputy Administrator: To listen and ask questions so that he gains a better understanding of this topic.

Background: IRIS is a highly visible and important program for EPA. In July 2013, EPA publically announced the IRIS enhancements, which are process and substantive improvements to address feedback (e.g., NAS, GAO reports). ORD wants to make sure that the new Deputy Administrator is aware of the current status of IRIS activities and the Deputy requested this briefing from ORD.

EPA Staff (Required): Matt Fritz, Bob Kavlock, Lek Kadel, Ken Olden, Gina Perovich, Vince Cogliano, John Vandenberg, Lynn Flowers, Louis D'Amico, Liz Blackburn, Sarah Mazur, Kelley Smith, Tom Burke

## Appointment

---

**From:** Stella Spyropoulos [Spyropoulos.StellaLNDU@usepa.onmicrosoft.com]  
**Sent:** 3/21/2012 6:20:59 PM  
**To:** Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]; Hawkins, Belinda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=075561d171e845828ec67a945663a8e6-Hawkins, Belinda]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]; Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Denise Wright [Wright.DeniseLNDU@usepa.onmicrosoft.com]; Corona, Elizabeth [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=18d86fb8269b4557b5d06622b3a941af-Corona, Elizabeth]; Perovich, Gina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e3c19d7f4db41bfa2477aa27ad83945-Perovich, Gina]; Ila Cote [Cote.IlaLNDU@usepa.onmicrosoft.com]; Morris, Jeff [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=55c34872e6ea40cab78be910aec63321-Morris, Jeff]; Jennifer Seed [Seed.JenniferLNDU@usepa.onmicrosoft.com]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; Deener, Kathleen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b9a2ff1c086249ea8f641afde8a5e54-Deener, Kathleen]; Kay Austin [Austin.KayLNDU@usepa.onmicrosoft.com]; Lyle Burgoon [Burgoon.LyleLNDU@usepa.onmicrosoft.com]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Doa, Maria [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=99e502a905374b0b890db9b22e18d92e-MDoa02]; Troyer, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=847b0020dd0e457e85f994a1ad64b26d-Troyer, Michael]; Kramek, Niva [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c59e4b8db6a1429da6ba466d57a9a79c-Niva Kramek]; Oscar Hernandez/DC/USEPA/US@EPA; Jones, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eac77fe3b20c4667b8c534c90c15a830-Jones, Samantha]; Barone, Stan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a4f8618acbb418da24c110f3123a2af-Barone, Stan]; Henry, Tala [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8bfc0a617a4a43baa8856541c70622be-THENRY02]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Wendy Cleland-Hamnett [Cleland-Hamnett.WendyLNDU@usepa.onmicrosoft.com]; Sanchez, Yolanda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=473c34ae73994a4a8acafe6f03e0baeb-Sanchez, Yolanda]  
**Subject:** OPPT/ NCEA-HHRA Coordination  
**Attachments:** OPPT Workplan.pdf; OPPT & NCEA Agenda 4-10-12 v2.docx; IRIS chemicals with OCSPP\_v2.xlsx; OPPT & NCEA Agenda 5-3-12 (revised).docx; OPPT Workplan.pdf; IRIS chemicals with OCSPP\_v2.xlsx  
**Location:** 3371-A EPA East / Teleconference Line / Ex. 6  
**Start:** 5/3/2012 3:00:00 PM  
**End:** 5/3/2012 4:00:00 PM  
**Show Time As:** Busy  
  
**Recurrence:** (none)



OPPT & NCEA  
Agenda 5-3-12 (r...



OPPT  
Workplan.pdf



OPPT  
Workplan.pdf



IRIS chemicals  
with OCSPP\_v2....



IRIS chemicals  
with OCSPP\_v2....



OPPT & NCEA  
Agenda 4-10-12 ...

**OPPT/NCEA Meeting**

**May 3, 2012, 11am - 12pm**

**Room 3371-A EPA East**

**Teleconference Line / Ex. 6**

**Agenda**

1. OPPT Workplan Chemicals Assessments (see attachments)
  - a. Overview of OPPT's TSCA workplan process for 2012 & beyond
  - b. Relevant NCEA assessments (ongoing & future) (see "chemical list cross-check" attachment)
2. IRIS updates
  - a. Update on IRIS assessments – phthalates, PCBs, ammonia
  - b. Status of the IRIS Agenda FRN
  - c. Discuss IRIS Administrator fact sheets – purpose and use
  - d. Update on Ramazzini Institute data  
(<http://www.epa.gov/iris/ramazzini.htm>)
3. Revisit other outstanding items, as needed
4. Wrap-up

Message

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**From:** Ellen Silbergeld [esilber2@jhu.edu]  
**Sent:** 3/13/2015 8:34:40 PM  
**To:** Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**Subject:** RE: Penelope Fenner-Crisp -- Former Pesticides Official Questions IRIS' Outdated Pesticide Assessments  
**Attachments:** cover letter.docx; As\_HI\_Diabetes 012715 (2) eks review 3.15.docx

I submitted my comments as requested; here is a copy for you

Ellen K Silbergeld, PhD  
Professor, Environmental Health Sciences  
Johns Hopkins Bloomberg School of Public Health  
615 North Wolfe Street, Rm E6644  
Baltimore MD 21205 USA  
tel: 410 955 8678  
fax: 443 287 6414

**PLEASE NOTE: IF YOU DO NOT RECEIVE A PROMPT RESPONSE FROM ME TO AN EMAIL, PLEASE RESEND IT AS WE ARE HAVING ISSUES WITH OUR EMAIL SYSTEM. IF YOU STILL DO NOT RECEIVE A RESPONSE, YOU MAY HAVE TO CALL ME BY PHONE.**

---

**From:** Cogliano, Vincent [mailto:cogliano.vincent@epa.gov]  
**Sent:** Friday, March 13, 2015 4:29 PM  
**To:** Ellen Silbergeld; Daniele Mandrioli ( **Personal Email / Ex. 6** )  
**Subject:** RE: Penelope Fenner-Crisp -- Former Pesticides Official Questions IRIS' Outdated Pesticide Assessments

Thanks for sharing these messages, Ellen. The pesticides-on-IRIS story goes back several decades. Someday we'll fix all the messes that were left for us ... though getting closer to systematic review AND having a productive program are more important.

I like to theme of the Vienna meeting -- filtering information overload. I can really identify with that, given the 1000+page documents of IRIS past. Unfortunately, we don't have much chance for discretionary international travel.

I just saw the Collegium's response to the bad-luck paper. Well done, and I'm happy that you took the lead to get this out.

Have you prepared written comments on that arsenic section? I've seen most of the other comments, and it's unfortunate that some were less thorough than others. The most knowledgeable comments literally made my head spin (really -- I woke up with vertigo the next morning for the first time in 10 years). I'm waiting to see yours, as you've told me about systematic review concerns that the others haven't raised.

Best regards,  
Vince

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**From:** Ellen Silbergeld [mailto:esilber2@jhu.edu]  
**Sent:** Thursday, March 12, 2015 11:43 AM  
**To:** Daniele Mandrioli (mandry83@gmail.com); Cogliano, Vincent  
**Subject:** Fwd: Penelope Fenner-Crisp -- Former Pesticides Official Questions IRIS' Outdated Pesticide Assessments

Why we need systematic methods as soon as possible. Come to Vienna

Sent from my iPhone

Begin forwarded message:

**From:** "Huff, James (NIH/NIEHS) [G]" <[huff1@niehs.nih.gov](mailto:huff1@niehs.nih.gov)>  
**Date:** March 12, 2015 at 10:59:45 AM EDT  
**To:** Myra Karstadt <[REDACTED] >  
**Cc:** Jane Caldwell <[Caldwell.Jane@epamail.epa.gov](mailto:Caldwell.Jane@epamail.epa.gov)>, ronald melnick  
<[REDACTED] >, peter infante <[pinfante@starpower.net](mailto:pinfante@starpower.net)>, "jennifer sass [NRDC]"  
<[jsass@nrdc.org](mailto:jsass@nrdc.org)>, Ellen Silbergeld <[esilber2@jhu.edu](mailto:esilber2@jhu.edu)>, "fiorella belpoggi"  
<[belpoggif@ramazzini.it](mailto:belpoggif@ramazzini.it)>  
**Subject:** Re: Penelope Fenner-Crisp -- Former Pesticides Official Questions IRIS' Outdated Pesticide Assessments

M-

Fully agree — she was industry when at EPA for sure. Now testifies in cases for industry, oh well we know lots of people like her who enjoyed high paying gov jibs, retired with terrific benefits and than show their true anti-publi health character. Too many in fact from NTP as well. Disgusting

j

From: myra karstadt <[REDACTED] >  
Date: Wednesday, March 11, 2015 at 19:09  
To: james huff <[huff1@niehs.nih.gov](mailto:huff1@niehs.nih.gov)<<mailto:huff1@niehs.nih.gov>>>  
Cc: Jane Caldwell  
<[Caldwell.Jane@epamail.epa.gov](mailto:Caldwell.Jane@epamail.epa.gov)<<mailto:Caldwell.Jane@epamail.epa.gov>>>, ronald melnick  
<[ron.melnick@gmail.com](mailto:ron.melnick@gmail.com)<<mailto:ron.melnick@gmail.com>>>, peter infante  
<[pinfante@starpower.net](mailto:pinfante@starpower.net)<<mailto:pinfante@starpower.net>>>, "jennifer sass [NRDC]"  
<[jsass@nrdc.org](mailto:jsass@nrdc.org)<<mailto:jsass@nrdc.org>>>  
Subject: Re: Penelope Fenner-Crisp -- Former Pesticides Official Questions IRIS' Outdated Pesticide Assessments

penny fenner-crisp is not a pro-public health person. last time i noticed, she was working for ilsi, the industry-oriented group that houses the risk science institute. i remember her being not at all supportive of public health priorities when she was at epa. wonder who she's consulting for on the pesticides-iris issue. incidentally, the combination of penny and olden likely merits some concern.

On Mar 11, 2015, at 4:39 PM, Huff, James (NIH/NIEHS) [G]  
<[huff1@niehs.nih.gov](mailto:huff1@niehs.nih.gov)<<mailto:huff1@niehs.nih.gov>>> wrote:

Wednesday, March 11, 2015

RISK POLICY REPORT - 03/10/2015

Former Pesticides Official Questions IRIS' Outdated Pesticide Assessments

A retired EPA pesticides official is pressing the agency to address the more than 100 pesticides included in the agency's Integrated Risk Information System (IRIS) toxicity assessment database for environmental chemicals, arguing that these outdated, 30-year-old assessments undermine the influential database's authority.

"In my view, it is a big problem for IRIS and [EPA's National Center for Environmental Assessment (NCEA)] and a significant impediment to the reestablishment of IRIS as a credible repository of Agency-generated human health guidance," Penelope Fenner-Crisp, a former EPA pesticides official writes in a Dec. 15 letter to NCEA Director Ken Olden, and recently released



in IRIS' electronic docket. Relevant documents are available on [InsideEPA.com](http://InsideEPA.com). (Doc. ID: 179497)

EPA's IRIS database provides toxicity information agency-wide about chemicals and other factors in the environment that may cause adverse health effects, and many risk management decisions are based on the assessments. The database is publicly available on the internet, and many state agencies and agencies in other countries consult it.

The IRIS program has long held the goal of updating its existing assessments at least once a decade. However, that goal is rarely met, with the program in recent years completing just a handful of assessments per year. In fiscal year 2014, the agency did not publish any final IRIS assessments. In a 2008 review, the Government Accountability Office declared the program so slow-moving as to be nearly obsolete.

Fenner-Crisp, who at various public meetings has questioned the use of a separately staffed IRIS program rather than a consensus committee of agency-wide risk assessors, as in the early days of the database, writes, "over the time frame during which the IRIS process was a collaborative one (1987-1995), 462 chemical entries were uploaded onto IRIS. In the nearly 20 years since IRIS was taken over by NCEA, only 95 additional chemical entries have been uploaded onto IRIS."

Olden, who was brought into EPA to turn around the troubled program two years ago, announced in December at the annual meeting of the Society for Risk Analysis in Denver that he intends to remove some 140 IRIS assessments from the database because they are outdated. And he indicated plans to update about 350 other assessments in the database (Risk Policy Report, Dec. 15).

However, those plans have yet to come to fruition. Fenner-Crisp, who questioned Olden about the status of the outdated pesticides assessments in the IRIS database at the Denver meeting, sent Olden her analysis of the number of outdated IRIS assessments in the database. According to her review, "nearly 200 of the 558 entries on IRIS are currently-registered or recently-canceled pesticides," Fenner-Crisp writes.

In her analysis, Fenner-Crisp reviews this group of 193 pesticides and compares the cancer and noncancer toxicity estimates in the IRIS database with the toxicity estimates EPA's Office of Pesticide Programs (OPP) has generated for the same chemicals since the IRIS values were calculated in the 1980s. She notes that many of the values are different and argues this undermines IRIS' credibility.

"Of the nearly 200 chemicals, almost 90 percent of the IRIS entries for these substances are incorrect, either for the [non-cancer reference dose (RfD)] or the cancer call or both," Fenner-Crisp writes. "This is the 800-pound elephant in the room. This problem needs to be corrected, swiftly and thoroughly, if there is any hope of fully restoring credibility to IRIS."

Fenner-Crisp writes that anyone -- inside or outside the agency -- who has used the IRIS pesticide values rather than the updated OPP values has been using outdated information "for at least 20 years". And she writes that "[a]t least one EPA program office (Superfund) is trapped into using the wrong numbers for pesticides as a matter of policy," pointing to Superfund's Risk Assessment Guidance for Superfund, where IRIS is described as "superseding" all other information sources.

An agency source says that IRIS leaders are working to get the outdated assessments removed from IRIS, but bureaucratic delays are slowing action. The main delay, the source says, is that in the process of reviewing and determining which pesticides are outdated and obtaining agreement within the agency to remove the assessments, "somebody discovered that there's another set [of chemicals] that [NCEA] also doesn't have responsibility for." The source was unsure, but thought this other group of chemicals also falls within OPP's authority. The source adds that the intent is to remove both sets of chemicals from IRIS together.

Fenner-Crisp provides Olden with the history of the outdated pesticide values on the IRIS database. When the IRIS program began in the early 1980s, the agency's water and pesticides offices were seeking to gain consensus on toxicity values for chemicals found in drinking water systems, with drinking water utilities asking for EPA advice on treatment, she explains. She

notes that she and two colleagues generated many of these values before the effort grew into a larger Reference Dose Workgroup in 1985. This group continued generating IRIS toxicity values until the separate IRIS program, with sole responsibility for creating the IRIS assessments, was created in 1995, Fenner-Crisp writes.

"So, what does this say about the credibility of the IRIS entries for pesticides? Most of the IRIS entries uploaded between 1987 and 1989 were derived by Drs. Dourson, Engler and myself, later verified by the RfD Workgroup. That means these values are ~30 years old--way out of date and frozen in time."

Fenner-Crisp adds that "[a]nother very significant change occurred at the 1995 time point, which is not widely remembered and rarely acknowledged. The NCEA-led Agency consensus activities on pesticides ended. The responsibility for the development of health-based values reverted to the [OPP]. Maintenance and updating of IRIS values by NCEA for pesticides ceased, with minor exceptions. If the substance is used primarily for purposes other than as a pesticide, NCEA has retained the responsibility for updating the assessment. In these instances, OPP is consulted and the outcome of the assessment generally represents a consensus opinion."

One example of this unusual instance is the long ongoing IRIS assessment of the chemical ethylene oxide, which has both pesticidal and industrial uses. Because of the dual uses of the chemical, IRIS retains the authority to assess it, an agency source said during the last peer review of the draft assessment (Risk Policy Report, Nov. 25).

In her analysis, Fenner-Crisp goes through the 193 pesticide compounds in the IRIS database and compares the toxicity estimates with any newer estimates that OPP has generated. She notes that of the 167 IRIS pesticide entries that are not up to date, "For 27 entries, the [non-cancer toxicity estimates, or RfDs] match, but the cancer calls do not . . . For 19 entries, the RfDs do not match, but the cancer calls do . . . For 121 entries, neither the RfD nor the cancer call match . . ." --

Maria Hegstad

Message

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**From:** Portier, Christopher (CDC/ONDIEH/NCEH) [cip7@cdc.gov]  
**Sent:** 6/3/2012 7:32:02 AM  
**To:** Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**Subject:** Re: Announcing ORD's National Center for Environmental Assessment's New Director!  
**Attachments:** graycol.gif

**Personal Email / Ex. 6**

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Christopher J. Portier, Ph.D.  
Director  
National Center for Environmental Health and  
Agency for Toxic Substances and Disease Registry  
Centers for Disease Control and Prevention  
Ph: 770-488-0604  
Email: [cportier@cdc.gov](mailto:cportier@cdc.gov)  
Fax: 770-488-3385  
NCEH/ATSDR on Twitter: @CDC\_DrCPortier  
CDC on Twitter: @CDCgov/ @CDC\_eHealth /@CDCemergency

---

**From:** Vincent Cogliano <[Cogliano.Vincent@epamail.epa.gov](mailto:Cogliano.Vincent@epamail.epa.gov)>  
**Date:** Friday, June 1, 2012 1:21 PM  
**To:** Christopher Portier <[cip7@cdc.gov](mailto:cip7@cdc.gov)>  
**Subject:** Re: Announcing ORD's National Center for Environmental Assessment's New Director!

Thanks, Chris. Good to know. Please put in a good word for me -- V

---

**From:** "Portier, Christopher (CDC/ONDIEH/NCEH)" [cip7@cdc.gov]  
**Sent:** 05/31/2012 07:09 PM GMT  
**To:** Vincent Cogliano  
**Subject:** Re: Announcing ORD's National Center for Environmental Assessment's New Director!

You will be able to do what needs to be done.  
He is a great guy to work for.

---

Christopher Portier Ph.D.  
Director, NCEH/ATSDR

sent by blackberry

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**From:** Vincent Coglianò [mailto:Coglianò.Vincent@epamail.epa.gov]  
**Sent:** Thursday, May 31, 2012 03:06 PM  
**To:** Portier, Christopher (CDC/ONDIEH/NCEH)  
**Subject:** Fw: Announcing ORD's National Center for Environmental Assessment's New Director!

What's he like to work for?

▼ Lek Kadeli

----- Original Message -----

**From:** Lek Kadeli  
**Sent:** 05/31/2012 02:07 PM EDT  
**To:** ORD-FED  
**Subject:** Announcing ORD's National Center for Environmental Assessment's New Director!  
In keeping with our promise to fill key management roles with permanent scientific leaders, I am honored to announce the newest member of the ORD leadership team, Dr. Kenneth Olden. Ken will direct both the National Center for Environmental Assessment (NCEA) and the Human Health Risk Assessment Research Program.

Ken comes to EPA with a strong legacy of promoting scientific excellence in environmental health. Many of you undoubtedly interacted with Ken during his tenure as the Director of the National Institute of Environmental Health Sciences (NIEHS) and the National Toxicology Program (NTP) in the U.S. Department of Health and Human Services from 1991-2005. Ken made history as the first African American to direct one of the National Institutes of Health. In 2005, he returned to his research position as chief of The Metastasis Group in the Laboratory of Molecular Carcinogenesis at the NIEHS, and for academic year 2006-2007, held the position of Yerby Visiting Professor at the Harvard School of Public Health. Ken is currently the Founding Dean of the School of Public Health at the Hunter College, City University of New York. He has published extensively in peer-reviewed literature, chaired or co-chaired numerous national and international meetings, and has been an invited speaker, often a keynote, at more than 200 symposia. Ken has won a long list of honors and awards including the Presidential Distinguished Executive Rank Award, the Presidential Meritorious Executive Rank Award for sustained extraordinary accomplishments, the Toxicology Forum's Distinguished Fellow Award, the HHS Secretary's Distinguished Service Award, the American College of Toxicology's First Distinguished Service Award, and the National Minority Health Leadership Award. Alone among institute directors, he was awarded three of the most prestigious awards in public health--the Calver Award (2002), the Sedgwick Medal (2004), and the Julius B. Richmond Award (2005). He was elected to membership in the Institute of Medicine at the National Academy of Sciences in 1994 and appointed member of the Visiting Committee for the Harvard University Board of Overseers from 2007-2010. Ken received his Bachelor of Science in biology from Knoxville College, a Master of Science in genetics from the University of Michigan and a Doctorate in cell biology and biochemistry from Temple University. Ken will join the Agency on July 2nd.

Our deepest appreciation goes to Ms. Rebecca Clark for serving as acting director of NCEA for nearly two years. Becki has directed some of the Agency's most high-profile programs—from the Agency's Integrated Risk Information System and Integrated Science Assessments to the environmental impacts of Mountaintop Mining and the scientific study of Bristol Bay. Becki and her team have done this with skill, grace and a clear passion for the mission and have been integral in producing science that is rigorous, responsive, and effective. Becki will resume her role as Deputy Director for NCEA.

Please join me in thanking Becki for her service as acting director of NCEA and in welcoming Ken back to public service.

Lek Kadeli  
Acting Assistant Administrator  
Office of Research and Development  
Environmental Protection Agency  
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Tel: 202 564-6620

ED\_002435\_00001853-00002

Fax: 202 565-2430  
Email: [kadeli.lek@epa.gov](mailto:kadeli.lek@epa.gov)

Message

**From:** Cogliano, Vincent [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=51F2736376AC4D32BAD2FE7CFEF2886B-COGLIANO, VINCENT]  
**Sent:** 1/28/2013 10:25:38 PM  
**To:** Christopher Portier [Personal Email / Ex. 6]  
**Subject:** Re: A favor

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**From:** Christopher Portier [Personal Email / Ex. 6]  
**To:** Vincent Cogliano/DC/USEPA/US@EPA  
**Date:** 01/28/2013 11:52 AM  
**Subject:** A favor

Vincent,

**Personal Email / Ex. 6**

They would need this reference by February 4. Sorry for the short notice.

C.

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Directed all operations of the National Center for Environmental Health (budget \$230 million in 2013) and the Agency for Toxic Substances and Disease Registry (budget \$70 million in 2013). NCEH has a research and public health laboratory focused on evaluating toxicants and toxins in humans and screening infants at birth for curable defects. It also does national surveillance for chemical exposures, WASH, vessel safety and sanitation, lead poisoning prevention, health economics, asthma control, radiation safety, climate change research, air pollution research and other. NCEH is the US's national public health agency. ATSDR works in communities around the US to evaluate the health effects of toxic dump sites and other legacy pollution and determines if remediation is appropriate to protect health. ATSDR has 10 offices around the nation and also does chemical reviews for carcinogenicity (like IARC) and other toxicities, provides environmental pediatric support to MD's around the nation, offers medical education and does epidemiology studies.

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## RESEARCH PROGRAM at IARC

While directing the US National Toxicology Program, I put in place a Strategic Plan[1] that outlined an aggressive program to reduce the use of animals in toxicology testing by developing high-throughput screens that would identify toxicants using molecular screening and reporter assays. While the NTP began this project, we joined with the USEPA to commission a National Academy of Sciences report on the way forward[2] in toxicology testing. After the release of this report, NTP, EPA and NIH formed a consortium[3] referred to as Tox21 to address the issue with a budget this year alone in excess of \$20 million. Europe soon followed[4] with a large program of their own \$35 million research project. These two projects began in earnest in 2007 and 2009 and have resulted in a great deal of research and literally hundreds of publications.

At a recent IARC Workshop on 'Tumour Concordance and Mechanisms of Carcinogenesis', there was considerable discussions of the pathways through which chemicals and other agents can induce carcinogenesis. The group developed 10 key characteristics of carcinogens that can be used to better identify carcinogens: electrophilic or metabolic activation, genotoxic, alter DNA repair, cause inflammation, produce oxidative stress, act via receptor-mediated processes, alter cell proliferation/death, cause immunosuppression, act epigenetically, or cause immortalization. Each of these characteristics can be linked to a number of signaling and metabolic pathways and, when linked together with other information on human carcinogens, can be used to identify which pathways are critical to cancer. Tox21 and others have used multiple approaches to address the linkage of pathways with carcinogenicity. The first is to use *in-vitro* high-throughput screening with reporter assays that target critical components of key pathways aimed at these characteristics. To understand the magnitude of the program, the NTP screened 6000+ compounds in over 100 assays between 2009 and 2011. For example, using a new assay for DNA damage developed by the NTP, they identified 22 antioxidants that damage DNA, a surprising finding. The second approach is to use genomic data. For example, in my own laboratory at NIEHS, we developed a bioinformatics approach to linking genetic and genomic data to pathways based upon the actual roadmap laid out by the pathway[5], then using the Genetic Association Database and the Comparative Toxicogenomic Database, we were able to identify critical pathways for over 200 human conditions including many cancers and link this to over 4500 chemicals[6]. For cancer, we identified many linked pathways such as retinol metabolism (hormonally-regulated cancers) and p53 signalling (multiple cancers). The current phase of Tox21 is evaluating over 10,000 chemicals in more than 500 assays.

This type of information will play a critical role in decisions on carcinogens by the IARC Monographs Programme. The Programme will need to know how to use this research to guide their decisions regarding the carcinogenicity of chemical, biological and physical agents. The Preamble provides some guidance on using mechanistic data in evaluating carcinogenicity, but would be greatly strengthened if we knew how specific certain pathways are to specific cancers and how sensitive these pathways are to chemical modulation. The Tox21 data and similar studies are key to attempting to develop guidance along these lines. This project is intended to develop means to evaluate the quality of the existing literature, interpret that literature to define signalling and metabolic pathways which, when perturbed, can increase the risk of carcinogenesis, and provide guidance on when there is sufficient evidence to use this information in defining agents as human carcinogens. The project will proceed in three phases. Phase 1 will be to identify the existing literature through online searches and obtain all relevant publications. Phase 2 will critically assess those publications, identify pathways

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The initial work will focus on the pathways identified by Hahn and Weinberg in their 'Subway Map of Cancer Pathways' (<http://www.nature.com/nrc/posters/subpathways/index.html>) evaluating the sensitivity and specificity of these pathways for identifying carcinogens based upon the types of screening evaluations discussed above. This project should be completed in 6 months.'

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[4] Hartung T (2009) A Toxicology for the 21st Century - Mapping the Road Ahead. *Toxicological Sciences* 109: 18–23.

[5] Thomas R, Gohlke JM, Stopper GF, Parham FM, Portier CJ: Choosing the right path: enhancement of biologically-relevant sets of genes or proteins using pathway structure. *Genome Biology* 2009, 10:R44.

[6] JM Gohlke, R Thomas, Y Zhang, MC Rosenstein, AP Davis, C Murphy, KG Becker, CJ Mattingly and CJ Portier, Genetic and environmental pathways to complex diseases, *BMC Systems Biology* 2009, 3:46



Message

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Message

**From:** Everhart, Cheryl (ATSDR/OA/OD) [bqf5@cdc.gov]  
**on behalf of** Portier, Christopher (CDC/ONDIEH/NCEH) [cip7@cdc.gov]  
**Sent:** 4/5/2012 1:45:35 AM  
**To:** Abadin, Henry (ATSDR/DTHHS/ETB) [hga0@cdc.gov]; Burgess, Michele [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=125a4018673642979998ceebe8259c72-MBurgess]; Adams, Glenn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c79e328cd4484265b012dfa81663f5e7-Adams, Glenn]; Hillary.carpenter@state.mn.us [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=01c1938e34c64bd39ada5029222473a4-Hillary.carpenter@state.mn.us]; 'elmerakin@bellsouth.net' [Personal Matters / Ex. 6]; Cibulas, William (ATSDR/OA/OD) [wic1@cdc.gov]; 'george.alexeeff@oehha.ca.gov' [george.alexeeff@oehha.ca.gov]; Rclapp@bu.edu [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fd7a306483124727a2c8bbdef0684ee6-Rclapp@bu.edu]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; 'faustman@uw.edu' [faustman@uw.edu]; ecraft@edf.org [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=622b05d49e2a439abb0187a480e5ba9d-ecraft@edf.]; Fowler, David A. (ATSDR/DCHI/WB) [def6@cdc.gov]; And6@cdc.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=587490e6db3a4cfb871d476004b656b3-And6@cdc.gov]; Gerhardstein, Benjamin (ATSDR/OPD) [fty9@cdc.gov]; 'dykemal@michigan.gov' [dykemal@michigan.gov]; 'jgohlke@uab.edu' [jgohlke@uab.edu]; 'jerald.fagliano@doh.state.nj.us' [jerald.fagliano@doh.state.nj.us]; mkj5@cdc.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=55e00d750b1a4701885d111c22ea4144-mkj5@cdc.gov]; Jones, Dennis E. (ATSDR/DTHHS/ETB) [dej2@cdc.gov]; dam7@cdc.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0d9b0ea64a7546dbbf404d7eebbdddae-dam7@cdc.gov]; nkk01@health.state.ny.us [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f67e3c7e1da94887af666034f4a61215-nkk01@health.state.ny.us]; Mumtaz, Moiz (ATSDR/DTHHS/ETB) [mgm4@cdc.gov]; 'sklitzma@hunter.cuny.edu' [sklitzma@hunter.cuny.edu]; Murray, Ed (ATSDR/DTHHS/OD) [hem0@cdc.gov]; Lee, Robin (ATSDR/DTHHS/EEB) [rpl5@cdc.gov]; Peurifoy, Cynthia [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b6b26262fa3b4d8884d2a08428d9b7fe-Peurifoy, Cynthia]; 'slester@chej.org' [slester@chej.org]; Sinks, Tom (CDC/ONDIEH/NCEH) [ths2@cdc.gov]; 'smroberts@ufl.edu' [smroberts@ufl.edu]; 'marilyn.underwood@hsd.cccounty.us' [marilyn.underwood@hsd.cccounty.us]; 'Andrew.Rooney@nih.gov' [Andrew.Rooney@nih.gov]; 'john.villanacci@dshs.state.tx.us' [john.villanacci@dshs.state.tx.us]; 'ryant@ohio.edu' [ryant@ohio.edu]; Wang, Richard (CDC/ONDIEH/NCEH) [rvw6@cdc.gov]; 'esilberg@jhsph.edu' [esilberg@jhsph.edu]; Warren, Camilla [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a9a48fcd430940de94177273ef0b8588-Warren, Camilla]; 'swilson2@umd.edu' [swilson2@umd.edu]; Welsh, Clement (ATSDR/DTHHS/ETB) [cqww9@cdc.gov]; lxw2@cdc.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1ab348928427450a949b82b978aa0c0e-lxw2@cdc.gov]; dxw2@CDC.GOV [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fe411b12b0c94683867170d505849460-dxw2@CDC.GOV];  
[Personal Matters / Ex. 6]  
**CC:** Brush, Charles (Adam) (CDC/ONDIEH/NCEH) [bio2@cdc.gov]; Nielsen, Jay A. (ATSDR/OPD) (CTR) [imx7@cdc.gov]; Portier, Christopher (CDC/ONDIEH/NCEH) [cip7@cdc.gov]  
**Subject:** ATSDR Science Symposium Information  
**Attachments:** ATSDR Science Symposium Agenda.docx; ATSDR's Minimal Risk Levels.docx; ATSDR's Toxicological Profiles.docx; ATSDR's Public Health Assessment Process.docx; ATSDR's Priority List of Hazardous Substances.docx; ATSDR- The Basics.docx; ATSDR- GIS Mapping and Analysis.docx; Picture (Device Independent Bitmap) 1.jpg; Picture (Device Independent Bitmap) 2.jpg

Greetings Science Symposium Participants:

I am pleased that you will be able to join us for the ATSDR Science Symposium in Atlanta on Wednesday, April 11 and Thursday, April 12.

Next week's symposium will help evaluate ATSDR's scientific approach to assessing health risks at sites and to generate action-oriented ideas for improvement. I look forward to hearing your thoughts about ATSDR's key scientific activities.

In preparation for the symposium, I encourage you to download or print the attached background papers as we will have a limited number of copies available during the meeting. These papers frame several important issues and will help us have a focused discussion next week.

Also, please take a moment to review the attached agenda. The meeting begins promptly at 8:30 a.m. each day and will end by 5:00 p.m.

For those of you traveling from out of town, a shuttle will be available to help you get from your hotel to the meeting and back. Shuttle pick-up times are noted at the bottom of the agenda. Additional logistical details will be provided to you by our meeting support contractor, Seamon Corporation.

Breakfast and lunch options are available for purchase through the dining facility located on ATSDR's campus each day. The dining area also has Wi-Fi if you need it.

If you have any questions leading up to symposium, contact Adam Brush ([bio2@cdc.gov](mailto:bio2@cdc.gov)) or Jay Nielsen ([imx7@cdc.gov](mailto:imx7@cdc.gov)).

Christopher J. Portier, Ph.D.  
Director  
National Center for Environmental Health and  
Agency for Toxic Substances and Disease Registry  
Centers for Disease Control and Prevention  
Ph: 770-488-0604  
Email: [cportier@cdc.gov](mailto:cportier@cdc.gov)  
Fax: 770-488-3385



NCEH/ATSDR on Twitter: @CDC\_DrCPortier  
CDC on Twitter: @CDCgov/ @CDC\_eHealth /@CDCemergency



Message

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**From:** Flowers, Lynn [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1A4411C874D041B9A8BADFC32B91BD70-FLOWERS, LYNN]  
**Sent:** 8/15/2012 5:01:38 PM  
**To:** Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]  
**CC:** Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]; Ila Cote [Cote.IlaLNDU@usepa.onmicrosoft.com]; Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Debra Walsh [Walsh.DebraLNDU@usepa.onmicrosoft.com]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**Subject:** Re: John Bucher comments on draft Ramazzini paper  
**Attachments:** Gift et al 08-06-2012[1].docx; image.gif

John: I am impressed that John Bucher was able to turn this around so quickly. It was good to read the whole email chain like you said.

A couple of the points that he made stand out:

# Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

### Deliberative Process / Ex. 5

My two cents.

Lynn Flowers, PhD, DABT  
Associate Director for Health  
National Center for Environmental Assessment  
Phone: 703-347-8537

**From:** John Vandenberg/RTP/USEPA/US  
**To:** Becki Clark/DC/USEPA/US@EPA, "Ila Cote" <cote.ila@epa.gov>, Lynn Flowers/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA, Debra Walsh/RTP/USEPA/US@EPA, David Bussard/DC/USEPA/US@EPA  
**Date:** 08/15/2012 10:10 AM  
**Subject:** John Bucher comments on draft Ramazzini paper

All -  
Attached are comments from John Bucher on the Ramazzini paper, and some email back-and-forth I had with him. I

suggest reading all the way through.

# Deliberative Process / Ex. 5

John



Gift et al

08-06-2012[1].do...

[John Bucher's comments are embedded using blue text]

John Vandenberg, PhD  
Director, RTP Division  
National Center for Environmental Assessment B243-01  
Office of Research and Development, USEPA  
Research Triangle Park, NC 27711

Tel: 919 541 4527

Fax: 919 541 5078

—— Forwarded by John Vandenberg/RTP/USEPA/US on 08/15/2012 10:02 AM ——

From: "Bucher, John (NIH/NIEHS) [E]" <bucher@niehs.nih.gov>  
To: John Vandenberg/RTP/USEPA/US@EPA  
Date: 08/15/2012 09:57 AM  
Subject: Re: Happy to review paper

# Deliberative Process / Ex. 5

On 8/15/12 9:16 AM, "John Vandenberg" <Vandenberg.John@epamail.epa.gov> wrote:

John,

# Deliberative Process / Ex. 5

John

John Vandenberg, PhD

Director, RTP Division  
National Center for Environmental Assessment B243-01  
Office of Research and Development, USEPA  
Research Triangle Park, NC 27711

Tel: 919 541 4527  
Fax: 919 541 5078

[cid:3427869425\_20912762]"Bucher, John (NIH--08/14/2012 05:37:12 PM--John, I reread the paper this afternoon, and have included a few track change comments, more for you

From: "Bucher, John (NIH/NIEHS) [E]" <bucher@niehs.nih.gov>  
To: John Vandenberg/RTP/USEPA/US@EPA  
Date: 08/14/2012 05:37 PM  
Subject: Re: Happy to review paper

---

# Deliberative Process / Ex. 5

On 8/13/12 4:50 PM, "John Vandenberg" <Vandenberg.John@epamail.epa.gov> wrote:

John,

Many thanks.

I welcome your critical review and comments.

# Deliberative Process / Ex. 5



Thanks very much,  
John

(See attached file: Gift et al 08-06-2012.docx)

John Vandenberg, PhD  
Director, RTP Division  
National Center for Environmental Assessment B243-01  
Office of Research and Development, USEPA  
Research Triangle Park, NC 27711

Tel: 919 541 4527  
Fax: 919 541 5078

[cid:3427810623\_20443380]"Bucher, John (NIH---08/13/2012 04:07:25 PM-----

From: "Bucher, John (NIH/NIEHS) [E]" <bucher@niehs.nih.gov>  
To: John Vandenberg/RTP/USEPA/US@EPA  
Date: 08/13/2012 04:07 PM  
Subject: Happy to review paper

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[attachment "image.gif" deleted by John Vandenberg/RTP/USEPA/US] [attachment "Gift et al 08-06-2012[1].docx" deleted by John Vandenberg/RTP/USEPA/US]

--



image.gif

Message

**From:** Portier, Christopher (CDC/ONDIEH/NCEH) [cip7@cdc.gov]  
**Sent:** 4/9/2012 12:21:18 PM  
**To:** DeMarini, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=750891dc98b14f9696c27583558fb1b5-Demarini, David]; 'Robert Baan' [BaanR@iarc.fr]  
**CC:** Kurt Straif [StraifK@iarc.fr]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent];  
**Subject:** Re: Chair and Subgroup Chairs; German tea party  
**Attachments:** image001.png; image002.png; E51FF4F7-C919-4AD9-B6C4-2D150DCBC04F[6].png; 70D479DD-4FFC-4485-AD0F-71D6E9BBAF06[6].png

Personal Email / Ex. 6

Robert,

Personal Email / Ex. 6

C.

Christopher J. Portier, Ph.D.  
Director  
National Center for Environmental Health and  
Agency for Toxic Substances and Disease Registry  
Centers for Disease Control and Prevention  
Ph: 770-488-0604  
Email: [cportier@cdc.gov](mailto:cportier@cdc.gov)  
Fax: 770-488-3385



NCEH/ATSDR on Twitter: @CDC\_DrCPortier  
CDC on Twitter: @CDCgov/ @CDC\_eHealth /@CDCemergency



**From:** David DeMarini <[DeMarini.David@epamail.epa.gov](mailto:DeMarini.David@epamail.epa.gov)>  
**Date:** Mon, 9 Apr 2012 07:39:42 -0400  
**To:** 'Robert Baan' <[BaanR@iarc.fr](mailto:BaanR@iarc.fr)>, Christopher Portier <[cip7@cdc.gov](mailto:cip7@cdc.gov)>  
**Cc:** Kurt Straif <[straifk@iarc.fr](mailto:straifk@iarc.fr)>, Vincent Cogliano <[Cogliano.Vincent@epamail.epa.gov](mailto:Cogliano.Vincent@epamail.epa.gov)>,  
**Subject:** Re: Chair and Subgroup Chairs; German tea party

Personal Email / Ex. 6

Hi Robert

Great idea. However, it looks like I arrive there in Lyon at noon on Monday, so I won't be there yet by Sunday night. Sorry about that. Thanks anyway.

David

Sent by EPA Wireless E-Mail Services

---

**From:** Robert Baan [BaanR@iarc.fr]

**Sent:** 04/09/2012 08:41 AM GMT

**To:** "Portier, Christopher (CDC/ONDIEH/NCEH)" <cip7@cdc.gov>

**Cc:** Kurt Straif <StraifK@iarc.fr>; Vincent Cogliano; 'Personal Email / Ex. 6'

<Personal Email / Ex. 6>; David DeMarini

**Subject:** Chair and Subgroup Chairs; German tea party

Thank you, Chris!

# PBI / Ex. 4

Best wishes,  
Robert

---

**From:** Portier, Christopher (CDC/ONDIEH/NCEH) [mailto:cip7@cdc.gov]

**Sent:** 06 April 2012 16:11

**To:** Robert Baan

**Subject:** Re: Subgroup chair

**Importance:** High

Sure, happy to do this.

-----  
Christopher J. Portier, Ph.D.

Director

National Center for Environmental Health and  
Agency for Toxic Substances and Disease Registry  
Centers for Disease Control and Prevention

Ph: 770-488-0604

Email: [cportier@cdc.gov](mailto:cportier@cdc.gov)

Fax: 770-488-3385



NCEH/ATSDR on Twitter: @CDC\_DrCPortier

CDC on Twitter: @CDCgov/ @CDC\_eHealth /@CDCemergency



Saving Lives.  
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Saving Money  
Through Prevention.  
[cdc.gov/24-7](http://cdc.gov/24-7)

---

**From:** 'Robert Baan' <BaanR@iarc.fr>

**Date:** Thu, 5 Apr 2012 15:15:32 +0000

**To:** Christopher Portier <[cportier@cdc.gov](mailto:cportier@cdc.gov)>

**Subject:** Subgroup chair

Dear Chris,

# PBI / Ex. 4

# PBI / Ex. 4

We hope to hear from you.

With our best regards,

Robert, Yann, Kurt

Message

**From:** Vandenberg, John [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=DCAE2B98A04540FB8D099F9D4DEAD690-VANDENBERG, JOHN]  
**Sent:** 6/11/2012 12:53:11 PM  
**To:** Kadry, Abdel-Razak [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=acb325507bf7451b9735813cfde5e417-Kadry, Abdel-Razak]; Troyer, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=847b0020dd0e457e85f994a1ad64b26d-Troyer, Michael]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]; Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Debra Walsh [Walsh.DebraLNDU@usepa.onmicrosoft.com]  
**Subject:** Fw: FINAL SCHEDULE: Taiwan Delegation Visiting EPA on Tuesday, June 12  
**Attachments:** FlowersC12\_1945 Tiawan Delegates Itinerary v03.pdf; Qs\_for\_EPA\_YSL06072012.doc; NHRI\_NEHRC(introduction)2012\_06.ppt

We were contacted a couple months ago about a group from Taiwan coming to visit NIEHS and EPA tomorrow. The schedule for their visit to EPA includes 30 min, from 11:10--11:40 tomorrow. Mary and I are on the schedule to provide an overview of EPA/NCEA; I'll bring in NCEA 101 etc.

I just reviewed the materials they sent on Friday, and it appears their interests intersect very much with NCEAs (see below). If any of you would like to participate I'll open a conference line around 11, Teleconference Line / Ex. 6. I note this overlaps with Roundtable.

John

John Vandenberg, PhD  
Director, RTP Division  
National Center for Environmental Assessment B243-01  
Office of Research and Development, USEPA  
Research Triangle Park, NC 27711

Tel: 919 541 4527

Fax: 919 541 5078

----- Forwarded by John Vandenberg/RTP/USEPA/US on 06/11/2012 08:27 AM -----

**From:** "Clement, Renee (NIH/NIEHS) [E]" <renee.clement@nih.gov>  
**To:** Deborah Janes/RTP/USEPA/US@EPA, Haluk Ozkaynak/RTP/USEPA/US@EPA, John Vandenberg/RTP/USEPA/US@EPA, Jon Pleim/RTP/USEPA/US@EPA, Karen Bradham/RTP/USEPA/US@EPA, Nicolle Tulve/RTP/USEPA/US@EPA, Val Garcia/RTP/USEPA/US@EPA, Robert Willis/RTP/USEPA/US@EPA, Steve Jackson/RTP/USEPA/US@EPA, Tad Kleindienst/RTP/USEPA/US@EPA, Mary Ross/RTP/USEPA/US@EPA  
**Cc:** Debra Walsh/RTP/USEPA/US@EPA, Linda Sheldon/RTP/USEPA/US@EPA, Wayne Cascio/RTP/USEPA/US@EPA, William Lominack/RTP/USEPA/US@EPA, Marcus Fuller/RTP/USEPA/US@EPA, Chris Robbins/RTP/USEPA/US@EPA, Hal Zenick/RTP/USEPA/US@EPA, "Zeldin, Darryl (NIH/NIEHS) [E]" <zeldin@niehs.nih.gov>, "Flowers, Christine B (NIH/NIEHS) [E]" <bruskec@niehs.nih.gov>  
**Date:** 06/08/2012 02:01 PM  
**Subject:** RE: FINAL SCHEDULE: Taiwan Delegation Visiting EPA on Tuesday, June 12

To All:

Attached is the most recent itinerary for the NIEHS portion of the visit on June 13, FYI.

Also attached is a list of questions which my POC in Taiwan asked me to forward to EPA. The delegation members are hoping that these items can be discussed during their visit to your campus on June 12.

Renee Shawn Clement  
Assistant to the Scientific Director  
NIH/NIEHS  
III TW Alexander Drive, Building 101, A213  
Research Triangle Park, NC 27709  
Phone: 919.541.9958  
Fax: 919.541.4214  
E-Mail: [clementrs@niehs.nih.gov](mailto:clementrs@niehs.nih.gov)

**From:** Deborah Janes [mailto:[Janes.Deborah@epamail.epa.gov](mailto:Janes.Deborah@epamail.epa.gov)]

**Sent:** Thursday, June 07, 2012 5:54 PM

**To:** Deborah Janes; Haluk Ozkaynak; John Vandenberg; Jon Pleim; Karen Bradham; Nicolle Tolve; Val Garcia; Robert Willis; Steve Jackson; Tad Kleindienst; Mary Ross

**Cc:** Debra Walsh; Linda Sheldon; Clement, Renee (NIH/NIEHS) [E]; Wayne Cascio; William Lominack; Marcus Fuller; Chris Robbins; Hal Zenick; Zeldin, Darryl (NIH/NIEHS) [E]

**Subject:** FINAL SCHEDULE: Taiwan Delegation Visiting EPA on Tuesday, June 12

**Importance:** High

Dear All:

EPA will host a four member delegation from Taiwan's National Health Research Institutes (NHRI) on Tuesday, June 12. The visitors are guests of Dr. Darryl Zeldin, Scientific Director for the National Institutes of Environmental Health Sciences. Dr. Kenneth Wu, the NHRI Director, is exploring the possibility of starting an NIEHS-like environmental institute in Taiwan.

Following is the final schedule. Please note that the times of your meetings have changed by about 15 minutes due to the transportation schedule for the visitors coming in the hotel shuttle to EPA.

*(See attached file: Taiwan Delegation June 12 2012 final.docx)*

#### BACKGROUND INFORMATION

Following are their C.V.s and the NIEHS schedule for Wednesday, June 13

*(See attached file: CVs for Taiwan Delegation.pdf) (See attached file: Taiwan Delegation Itinerary June 12-13, 2012.doc)*

Debbie Janes  
Public Information (Mail Code B305-01)  
National Health and Environmental Effects Research Laboratory  
U.S. Environmental Protection Agency  
109 T. W. Alexander Drive  
Research Triangle Park, NC 27709

919-541-4577 telephone



FlowersC12\_1945  
Tiawan Delegate...



Qs\_for\_EPA\_YS...



NHRI\_NEHRC(in...

[janes.deborah@epa.gov](mailto:janes.deborah@epa.gov)

Message

---

**From:** Arzuaga, Xabier [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=391506B90ACB488A9E7B6079FC84895F-ARZUAGA, XABIER]  
**Sent:** 1/17/2012 1:23:21 PM  
**To:** NCEA IRIS; Makris, Susan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7654051d8d1240a39dfa9463c9b0b7e5-Makris, Susan]; Euling, Susan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cb0873315ed244fa852df546e1191e4c-Euling, Susan]; Lambert, Jason [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d2254c2fb9504e9088b2b935492b8aaf-Lambert, Jason]; Petersen, Dan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=05e14a620a164436adfae701533b4cd5-Petersen, Dan]; Kate Guyton [Guyton.KateLNDU@usepa.onmicrosoft.com]; Kraft, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4a94a4f199b247778abb02285a51b927-Kraft, Andrew]; Segal, Deborah [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bcdd984267644f3fb89ea65f65e6f422-Segal, Deborah]  
**Subject:** Fw: NIEHS SRP Webinars - RiskeLearning

FYI...

----- Forwarded by Xabier Arzuaga/DC/USEPA/US on 01/17/2012 08:17 AM -----

**From:** "Henry, Heather F (NIH/NIEHS) [E]" <henryh@NIEHS.NIH.GOV>  
**To:** <SRP-RISKELEARNING@LIST.NIH.GOV>  
**Date:** 01/13/2012 02:54 PM  
**Subject:** SRP Webinars - Funding Opportunities and RiskeLearning  
**Sent by:** SRP Risk e Learning <SRP-RISKELEARNING@LIST.NIH.GOV>

**Just sending a note inviting you to register for upcoming web seminars offered by the Superfund Research Program of the National Institute of Environmental Health Sciences:**

**Upcoming Risk eLearning Webinar Series:**

Early Life Exposures - Long-Term Health Consequences

**Session 1: Polybrominated Diphenyl Ethers - Exposures and Toxicity**

**February 3, 2012; 1:00 – 3:00 PM ET**

**Register Now:** [Clu-in Training & Events webpage](#)

The first session of the series “**Early Life Exposures - Long-term Health Consequences: Part 1, Brominated Flame Retardants**” features Dr. Linda Birnbaum (Director, NIEHS), SRP researcher Dr. Heather Stapleton (Duke University) and Dr. Prasada Kodavanti (US EPA). The seminar will feature work with brominated flame retardants, compounds that are frequently added to consumer products such as furniture and electronics to improve fire safety. Polybrominated flame retardants (PBDEs) can cross the placental barrier from mother to fetus and influence childhood development years later. PBDEs have been associated with alterations in thyroid hormone levels, reduced fertility, and neurodevelopmental deficits. To register please visit [http://www.clu-in.org/live/default.cfm#Early-life\\_Exposures\\_-\\_Long-term\\_Health\\_Consequences:\\_Part\\_1\\_Brominated\\_Flame\\_Retardants](http://www.clu-in.org/live/default.cfm#Early-life_Exposures_-_Long-term_Health_Consequences:_Part_1_Brominated_Flame_Retardants).

**Save the Date for other webinars in the “Early Life Exposures – Long-term Health Consequences” Risk eLearning series:**

**Session 2: Metals and Metal Mixtures (March 28<sup>th</sup>)**



### **Session 3: PCE and Phthalates (April 2<sup>nd</sup>)**

Check the ReL webpage for the latest information

(<http://www.niehs.nih.gov/news/events/highlight/exposures/index.cfm>).

If you have questions, please contact me: email: [henryh@niehs.nih.gov](mailto:henryh@niehs.nih.gov); phone: 919-541-5330.

Thank you,

Heather Henry

Heather F. Henry, Ph.D.  
Program Administrator  
Superfund Research Program  
National Institute of Environmental Health Sciences  
PO Box 12233 K-304  
Research Triangle Park, NC 27709

Phone: 919-541-5330

Mobile: Personal Phone / Ex. 6

Email: [henryh@niehs.nih.gov](mailto:henryh@niehs.nih.gov)

Message

---

**From:** Corona, Elizabeth [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=18D86FB8269B4557B5D06622B3A941AF-CORONA, ELIZABETH]  
**Sent:** 1/16/2013 4:56:49 PM  
**To:** Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; Debra Walsh [Walsh.DebraLNDU@usepa.onmicrosoft.com]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Deener, Kathleen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b9a2ff1c086249ea8f6414afde8a5e54-Deener, Kathleen]; Karen Hammerstrom [Hammerstrom.KarenLNDU@usepa.onmicrosoft.com]; Jones, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eac77fe3b20c4667b8c534c90c15a830-Jones, Samantha]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**CC:** Berner, Ted [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f1949c9653024d3cb4aa4c2bd69c4fde-Berner, Ted]  
**Subject:** Fw: Questions on Spreadsheet on Chemical Nominations  
**Attachments:** IRIS Nominations Context for GAO (1.16.13).docx; CombinedNominations 2004-2005 11-9-04.doc; Briefing 3 on IRIS 2005 Nominations.ppt; All nominations for 2007 IRIS agenda.doc; 2011 IRIS Nominations for FY12 Agenda 11-22-11.pptx; FY2011 Chemical Nominations\_with Table 2 chemicals\_Program and Regional Input\_11042011 (FINAL).xlsx; Chemicals\_Under\_Consideration\_June 2011.xlsx; IRIS Chemical Nomination Years (1.11.13).xls; IRIS CHEMICALS INPUT FROM PROGRAMS AND REGIONS MARCH 25 2010.XLS

For your records, here is the email and attachments that I just sent to GAO in response to their request for clarification last week. Thank you for all of your help pulling this together so quickly. I will let you know if we hear back from them asking for additional information.

--

Elizabeth Corona, Ph.D.  
Office of Research and Development  
National Center for Environmental Assessment (8601P)  
Phone: 703-347-0214  
Fax: 703-347-8699

----- Forwarded by Elizabeth Corona/DC/USEPA/US on 01/16/2013 11:54 AM -----

**From:** Elizabeth Corona/DC/USEPA/US  
**To:** "Webb, Marie E" <WebbM@gao.gov>  
**Cc:** "LoFaro, Diane G" <LoFaroD@gao.gov>, Ted Berner/DC/USEPA/US@EPA  
**Date:** 01/16/2013 11:53 AM  
**Subject:** Re: Questions on Spreadsheet on Chemical Nominations

Hello Marie,

I apologize for the confusion regarding our documentation. Attached you will find several documents that supported our decision-making for the 2005, 2007, and 2011 nominations cycles. The "IRIS Nominations Context for GAO (1.16.12)" file attached will provide you with some context for the other attached documents. Please let us know if you have any questions.

Warmest regards,  
Elizabeth

--

Elizabeth Corona, Ph.D.  
Office of Research and Development  
National Center for Environmental Assessment (8601P)

Phone: 703-347-0214  
Fax: 703-347-8699



IRIS Nominations  
Context for GAO ...



CombinedNomin...  
2004-2005 11-9-...



Briefing 3 on IRIS  
2005 Nomination...



All nominations for  
2007 IRIS agend...



2011 IRIS  
Nominations for ...



FY2011 Chemical  
Nominations\_wit...



Chemicals\_Unde...  
2011.xlsx



IRIS Chemical  
Nomination Year...

From: "Webb, Marie E" <WebbM@gao.gov>  
To: Elizabeth Corona/DC/USEPA/US@EPA, Ted Berner/DC/USEPA/US@EPA  
Cc: "LoFaro, Diane G" <LoFaroD@gao.gov>  
Date: 01/08/2013 04:36 PM  
Subject: Questions on Spreadsheet on Chemical Nominations

Elizabeth and Ted,

# Deliberative Process / Ex. 5

Marie Webb  
Government Accountability Office  
Natural Resources and Environment Team  
Denver Field Office  
Office: 303-572-7480  
Fax: 303-572-7433

**From:** Norman Birchfield [mailto: Birchfield.Norman@epamail.epa.gov]  
**Sent:** Thursday, July 26, 2012 3:07 PM  
**To:** Lingard, Summer A; Webb, Marie E  
**Cc:** MarkT Howard; Hyon Kim; Lynn Flowers; Elizabeth Corona; Kathleen Deener; Becki Clark; Vincent Cogliano; Norman Adkins; Deborah Heckman; Karen Hammerstrom; Joe DeSantis; James Avery  
**Subject:** Spreadsheet informing the evaluation of IRIS nominations

Hi Summer and Marie

Here is the spreadsheet on IRIS nominations that was mentioned at the meeting on Tuesday. It has several tabs with different types of relevant information and analyses. There is a summary of the status of nominated chemicals with other organizations (e.g. IARC, CalEPA, NTP, EU, etc) and also information on the input received from program offices and regions. There is a key to the abbreviations used but still it may not be entirely self-explanatory. Please let us know if you have any questions. Also, as we mentioned at the meeting, this spreadsheet helped to inform decision making but decisions were based on more than what is in the spreadsheet.

Thanks

NB

*(See attached file: IRIS Chemicals\_Input from Programs and Regions\_March 25 2010.xls)*

-----  
Norman Birchfield, Ph.D.  
National Center for Environmental Assessment, Office of Research and Development, U.S. EPA



IRIS CHEMICALS  
INPUT FROM P...

Phone: (703) 347-0174

## Appointment

---

**From:** Barone, Stan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A4F8618ACBBA418DA24C110F3123A2AF-BARONE, STAN]  
**Sent:** 4/30/2012 12:44:44 PM  
**To:** Hotchkiss, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=10f01ccc8611401bb34d16b71a87d3d5-Hotchkiss, Andrew]; Lambert, Jason [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d2254c2fb9504e9088b2b935492b8aaf-Lambert, Jason]; Hogan, Karen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eb7dc31713d443f0a322f0163d8d7c73-Hogan, Karen]; KCarlson@cpsc.gov; LPatton@cpsc.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=83cf509e1d1f4cb5ab4c44aa3be7ab37-LPatton@cpsc.gov]; MBabich@cpsc.gov; Euling, Susan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cb0873315ed244fa852df546e1191e4c-Euling, Susan]; Makris, Susan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7654051d8d1240a39dfa9463c9b0b7e5-Makris, Susan]; Teneille Walker [Walker.TeneilleLNDU@usepa.onmicrosoft.com]; Arzuaga, Xabier [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=391506b90acb488a9e7b6079fc84895f-Arzuaga, Xabier]  
**CC:** Christina Bonanni [Bonanni.ChristinaLNDU@usepa.onmicrosoft.com]; Strong, Jamie [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ea753aafefb74c268550fe6a2c187838-Benedict, Jamie]; Jones, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eac77fe3b20c4667b8c534c90c15a830-Jones, Samantha]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**BCC:** NCEA PY - 7th Flr Wash Div Dir Conf Rm N-7731/ORD-NCEA-DC@EPA  
**Subject:** Updated: Discuss comparisons of ADIs and draft RfDs as well as other science issues supernumerary ribs for DIDP and DnOP [Teleconference Line / Ex. 6]  
**Attachments:** CPSC Findings vs IRIS RfD--Mike.docx; Saillenfait et al 2011 DNOP.pdf; Overview Table 8.docx; DIDP\_Monograph\_Final.pdf; Chernoff and Rogers.supernumerary ribs..pdf  
**Location:** NCEA PY - 7th Flr Wash Div Dir Conf Rm N-7731/ORD-NCEA-DC@EPA  
**Start:** 5/1/2012 2:00:00 PM  
**End:** 5/1/2012 3:00:00 PM  
**Recurrence:** (none)



CPSC Findings vs  
IRIS RfD--Mike.d...



Saillenfait et al  
2011 DNOP.pdf



Overview Table  
8.docx



DIDP\_Monograp...



Chernoff and  
Rogers.supernu...

Mike it would be great if you guys could send along what ever papers you think are most relevant for supernumerary rib discussion.

Message

---

**From:** Clark, Becki [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A906E07F1CD143B9A3C2DDAB813B8140-CLARK, BECKI]  
**Sent:** 3/8/2012 1:12:57 PM  
**To:** Deener, Kathleen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b9a2ff1c086249ea8f6414afde8a5e54-Deener, Kathleen]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]  
**Subject:** Fw: Ramazzini Communications Plan Agreement

Becki Clark  
Acting Director  
National Center for Environmental Assessment  
(703) 347-8551

----- Forwarded by Becki Clark/DC/USEPA/US on 03/08/2012 08:12 AM -----

**From:** Ramona Trovato/DC/USEPA/US  
**To:** Lek Kadeli/DC/USEPA/US, "Blackburn Elizabeth" <Blackburn.Elizabeth@epa.gov>, Becki Clark/DC/USEPA/US  
**Date:** 03/08/2012 08:08 AM  
**Subject:** Fw: Ramazzini Communications Plan Agreement

Liz, You have the ORD lead. Ramona

**From:** "Weber, Mark (HHS/ASPA)" [Mark.Weber@hhs.gov]  
**Sent:** 03/08/2012 08:02 AM EST  
**To:** "Flowers, Christine B (NIH/NIEHS) [E]" <bruskec@niehs.nih.gov>; "Burklow, John (NIH/OD) [E]" <BurklowJ@OD.NIH.GOV>; "tabakla2@mail.nih.gov" <tabakla2@mail.nih.gov>; "Birnbaum, Linda (NIH/NIEHS) [E]" <birnbaumls@niehs.nih.gov>; "Bucher, John (NIH/NIEHS) [E]" <bucher@niehs.nih.gov>; Lek Kadeli; Ramona Trovato; Brendan Gilfillan; "Allen, Marin (NIH/OD) [E]" <AllenM1@mail.nih.gov>; "Myles, Renate (NIH/OD) [E]" <mylesr@od.nih.gov>; "Fritz, Craig (NIH/OD) [E]" <craig.fritz@nih.gov>  
**Cc:** "Wolfe, Mary (NIH/NIEHS) [E]" <wolfe@niehs.nih.gov>; "Mackar, Robin M (NIH/NIEHS) [E]" <rmackar@niehs.nih.gov>  
**Subject:** Re: Ramazzini Communications Plan Agreement

Good to go today! Once again - thanks to all! Mark

**From:** Weber, Mark (HHS/ASPA)  
**Sent:** Wednesday, March 07, 2012 08:49 AM  
**To:** Flowers, Christine B (NIH/NIEHS) [E] <bruskec@niehs.nih.gov>; Burklow, John (NIH/OD) [E]; Tabak, Lawrence (NIH/OD) <tabakla2@mail.nih.gov>; Birnbaum, Linda (NIH/NIEHS) [E]; Bucher, John (NIH/NIEHS) [E]; 'Kadeli.Lek@epamail.epa.gov' <Kadeli.Lek@epamail.epa.gov>; 'Trovato.Ramona@epamail.epa.gov' <Trovato.Ramona@epamail.epa.gov>; 'Brendan Gilfillan' <Gilfillan.Brendan@epamail.epa.gov>; Allen, Marin (NIH/OD) [E]; Myles, Renate (NIH/OD) [E]; Fritz, Craig (NIH/OD) [E]  
**Cc:** Wolfe, Mary (NIH/NIEHS) [E]; Mackar, Robin M (NIH/NIEHS) [E]  
**Subject:** RE: Ramazzini Communications Plan Agreement

Looks like we are ok with posting the report tomorrow morning at 10:00 am. I'll do one final check in tomorrow morning – in the unlikely event something changes.

Please let me know if there are any questions.

Thanks to all.

Mark

Mark A. Weber  
Senior Advisor, Office of the Assistant Secretary for Public Affairs  
U.S. Department of Health and Human Services  
200 Independence Ave., S.W.  
Room 621E.7  
Washington DC 20201  
Office: (202)260-6412  
Cell: Personal Matters / Ex. 6  
Email: Mark.Weber@HHS.Gov

**From:** Flowers, Christine B (NIH/NIEHS) [E] [mailto:bruskec@niehs.nih.gov]  
**Sent:** Friday, March 02, 2012 10:54 AM  
**To:** Weber, Mark (HHS/ASPA); Burklow, John (NIH/OD) [E]; Tabak, Lawrence (NIH/OD); Birnbaum, Linda (NIH/NIEHS) [E]; Bucher, John (NIH/NIEHS) [E]; 'Kadeli.Lek@epamail.epa.gov'; 'Trovato.Ramona@epamail.epa.gov'; 'Brendan Gilfillan'; Allen, Marin (NIH/OD) [E]; Myles, Renate (NIH/OD) [E]; Fritz, Craig (NIH/OD) [E]  
**Cc:** Wolfe, Mary (NIH/NIEHS) [E]; Mackar, Robin M (NIH/NIEHS) [E]  
**Subject:** Ramazzini Communications Plan Agreement

Good Morning Everyone,

# Deliberative Process / Ex. 5

Christine Bruske Flowers  
Director, Office of Communications and Public Liaison  
National Institute of Environmental Health Sciences  
National Institutes of Health  
919-541-3665  
[www.niehs.nih.gov](http://www.niehs.nih.gov)

**From:** Weber, Mark (HHS/ASPA) [mailto:Mark.Weber@hhs.gov]  
**Sent:** Friday, March 02, 2012 9:57 AM  
**To:** Flowers, Christine B (NIH/NIEHS) [E]  
**Subject:** Ramazzini

Christine

# Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

Thanks,

Mark

Mark A. Weber  
Senior Advisor, Office of the Assistant Secretary for Public Affairs  
U.S. Department of Health and Human Services  
200 Independence Ave., S.W.  
Room 621E.7  
Washington DC 20201  
Office: (202)260-6412  
Cell: [Personal Matters / Ex. 6](#)  
Email: [Mark.Weber@HHS.Gov](mailto:Mark.Weber@HHS.Gov)



Message

---

**From:** Chiu, Weihsueh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9895659B6EB34DCABE92D46CA7B3B2F7-CHIU, WUEHSUEH]  
**Sent:** 7/15/2013 9:04:00 PM  
**To:** McGartland, Al [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5fe25fc1df634f9798675527e0070429-AMcGartl]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Axelrad, Daniel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6a51eaa06cef403abd7d28275fd278b4-DAXelrad]; Dockins, Chris [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3c8db533f0c847c98d706f1a52b0482b-CDockins]  
**Subject:** RE: discussion of uniform dose response framework  
**Attachments:** WorkshopWebinar-UnifedDoseResponse-draft1.2.pptx



WorkshopWebin...

Here is my latest version of the presentation for the cost-benefit workshop. Might be of use...

Regards,  
Weihsueh

-----  
Weihsueh Chiu, PhD  
Chief, Toxicity Pathways Branch  
IRIS Division, National Center for Environmental Assessment  
U.S. Environmental Protection Agency - 8601P  
Washington, DC 20460  
(703) 347-8607 (voice)  
(703) 347-8699 (fax)  
chiu.weihsueh@epa.gov

-----Original Appointment-----

**From:** McGartland, Al  
**Sent:** Monday, July 15, 2013 4:47 PM  
**To:** McGartland, Al; Cogliano, Vincent; Bussard, David; Chiu, Weihsueh; Axelrad, Daniel; Dockins, Chris  
**Subject:** discussion of uniform dose response framework  
**When:** Tuesday, July 16, 2013 2:00 PM-2:30 PM (GMT-05:00) Eastern Time (US & Canada).  
**Where:** conference call **Teleconference Line / Ex. 6**

# Deliberative Process / Ex. 5

For background – each workgroup member is leading the development of recommendations in a specific area. I have the "uniform dose-response framework" area.

Message

---

**From:** Deener, Kathleen [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B9A2FF1C086249EA8F6414AFDE8A5E54-DEENER, KATHLEEN]  
**Sent:** 3/7/2012 5:45:12 PM  
**To:** Lan, Alexis [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ade1986451224b1d9431f91fbfcff301-Lan, Alexis]  
**CC:** Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]  
**Subject:** Re: Fw: Ramazzini Communications Plan Agreement

Thanks Alex! We will wait to hear from you (or someone else in the IOAA) to get the final green light before we post. Per the email below, we anticipate this will happen around 10:00 a.m. tomorrow.

**Kacee Deener, MPH**

Acting Communications Director / Program and Regulatory Support Lead

National Center for Environmental Assessment | U.S. EPA – ORD (Mail Code 8601P) | 1200 Pennsylvania Ave. NW | Washington, D.C. 20460

(ph) 703.347.8514 | (f) 703.347.8699; [deener.kathleen@epa.gov](mailto:deener.kathleen@epa.gov)

Physical and overnight delivery address: U.S. EPA North Potomac Yard N-7622 | 2733 S. Crystal Dr. | Arlington, VA 22202

**From:** Alexis Lan/DC/USEPA/US  
**To:** Becki Clark/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA, Lynn Flowers/DC/USEPA/US@EPA, Kathleen Deener/DC/USEPA/US@EPA  
**Cc:** Lek Kadeli/DC/USEPA/US@EPA, Robert Kavlock/RTP/USEPA/US@EPA, Elizabeth Blackburn/DC/USEPA/US@EPA  
**Date:** 03/07/2012 12:39 PM  
**Subject:** Re: Fw: Ramazzini Communications Plan Agreement

All,

[attachment "Revised RI bullets 3-7-12.docx" deleted by Kathleen Deener/DC/USEPA/US]

RI likely to happen tomorrow; note the timing below. Here are the bullets so that you have it ready to post on our IRIS web page when the final green light comes.

Thanks,

**Alex W. Lan**

Special Assistant

Office of Research and Development/IOAA

1200 Pennsylvania Ave. Washington, D.C. 20460

office : (202)564-0841

mobile: Personal Matters / Ex. 6

[lan.alexis@epa.gov](mailto:lan.alexis@epa.gov)

From: Lek Kadeli/DC/USEPA/US  
To: Alexis Lan <Lan.Alexis@epamail.epa.gov>  
Date: 03/07/2012 10:13 AM  
Subject: Fw: Ramazzini Communications Plan Agreement  
Sent by: Alexis Lan

Lek Kadeli  
Acting Assistant Administrator for Management  
Office of Research and Development  
Environmental Protection Agency  
Ronald Reagan Bldg  
1300 Penn Ave  
Washington, D.C. 20460  
8101R  
Tel: 202 564-6620  
Fax: 202 565-2430  
Email: kadeli.lek@epa.gov

----- Forwarded by Alexis Lan/DC/USEPA/US on 03/07/2012 10:13 AM -----

From: "Birnbaum, Linda (NIH/NIEHS) [E]" <birnbaumis@niehs.nih.gov>  
To: "Mark.Weber@hhs.gov" <Mark.Weber@hhs.gov>, "Flowers, Christine B (NIH/NIEHS) [E]" <bruskec@niehs.nih.gov>, "Burklow, John (NIH/OD) [E]" <BurklowJ@OD.NIH.GOV>, "Tabak, Lawrence (NIH/OD)" <tabakla2@mail.nih.gov>, "Bucher, John (NIH/NIEHS) [E]" <bucher@niehs.nih.gov>, Lek Kadeli/DC/USEPA/US@EPA, Ramona Trovato/DC/USEPA/US@EPA, Brendan Gilfillan/DC/USEPA/US@EPA, "Allen, Marin (NIH/OD) [E]" <AllenM1@mail.nih.gov>, "Myles, Renate (NIH/OD) [E]" <mylesr@od.nih.gov>, "Fritz, Craig (NIH/OD) [E]" <craig.fritz@nih.gov>  
Cc: "Wolfe, Mary (NIH/NIEHS) [E]" <wolfe@niehs.nih.gov>, "Mackar, Robin M (NIH/NIEHS) [E]" <rmackar@niehs.nih.gov>  
Date: 03/07/2012 09:02 AM  
Subject: Re: Ramazzini Communications Plan Agreement

Thanks to everyone who has worked so hard to make this happen.

**From:** Weber, Mark (HHS/ASPA) [mailto:Mark.Weber@hhs.gov]  
**Sent:** Wednesday, March 07, 2012 08:49 AM  
**To:** Flowers, Christine B (NIH/NIEHS) [E]; Burklow, John (NIH/OD) [E]; Tabak, Lawrence (NIH/OD); Birnbaum, Linda (NIH/NIEHS) [E]; Bucher, John (NIH/NIEHS) [E]; 'Kadeli.Lek@epamail.epa.gov' <Kadeli.Lek@epamail.epa.gov>; 'Trovato.Ramona@epamail.epa.gov' <Trovato.Ramona@epamail.epa.gov>; 'Brendan Gilfillan' <Gilfillan.Brendan@epamail.epa.gov>; Allen, Marin (NIH/OD) [E]; Myles, Renate (NIH/OD) [E]; Fritz, Craig (NIH/OD) [E]  
**Cc:** Wolfe, Mary (NIH/NIEHS) [E]; Mackar, Robin M (NIH/NIEHS) [E]  
**Subject:** RE: Ramazzini Communications Plan Agreement

Looks like we are ok with posting the report tomorrow morning at 10:00 am. I'll do one final check in tomorrow morning – in the unlikely event something changes.

Please let me know if there are any questions.

Thanks to all.

Mark

Mark A. Weber

Senior Advisor, Office of the Assistant Secretary for Public Affairs  
U.S. Department of Health and Human Services  
200 Independence Ave., S.W.  
Room 621E.7  
Washington DC 20201  
Office: (202)260-6412  
Cell: Personal Matters / Ex. 6  
Email: Mark.Weber@HHS.Gov

**From:** Flowers, Christine B (NIH/NIEHS) [E] [mailto:bruskec@niehs.nih.gov]  
**Sent:** Friday, March 02, 2012 10:54 AM  
**To:** Weber, Mark (HHS/ASPA); Burklow, John (NIH/OD) [E]; Tabak, Lawrence (NIH/OD); Birnbaum, Linda (NIH/NIEHS) [E]; Bucher, John (NIH/NIEHS) [E]; 'Kadeli.Lek@epamail.epa.gov'; 'Trovato.Ramona@epamail.epa.gov'; 'Brendan Gilfillan'; Allen, Marin (NIH/OD) [E]; Myles, Renate (NIH/OD) [E]; Fritz, Craig (NIH/OD) [E]  
**Cc:** Wolfe, Mary (NIH/NIEHS) [E]; Mackar, Robin M (NIH/NIEHS) [E]  
**Subject:** Ramazzini Communications Plan Agreement

Good Morning Everyone,

# Deliberative Process / Ex. 5

Christine Bruske Flowers  
Director, Office of Communications and Public Liaison  
National Institute of Environmental Health Sciences  
National Institutes of Health  
919-541-3665  
[www.niehs.nih.gov](http://www.niehs.nih.gov)

**From:** Weber, Mark (HHS/ASPA) [mailto:Mark.Weber@hhs.gov]  
**Sent:** Friday, March 02, 2012 9:57 AM  
**To:** Flowers, Christine B (NIH/NIEHS) [E]  
**Subject:** Ramazzini

Christine

# Deliberative Process / Ex. 5

Thanks,

Mark

Mark A. Weber  
Senior Advisor, Office of the Assistant Secretary for Public Affairs  
U.S. Department of Health and Human Services  
200 Independence Ave., S.W.  
Room 621E.7  
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Message

---

**From:** Gomez, Laura [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=575BA24FC19D429C8302A05102353238-LGOMEZ]  
**Sent:** 4/2/2012 9:08:19 PM  
**To:** Joanne Rodman [Rodman.JoanneLNDU@usepa.onmicrosoft.com]  
**CC:** Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]; Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]; Deener, Kathleen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b9a2ff1c086249ea8f6414afde8a5e54-Deener, Kathleen]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**Subject:** Agendas for Ramazzini  
**Attachments:** Ramazzini Breifing Agenda-Majority HHS ed.doc

Hi Joanne et al.

# Deliberative Process / Ex. 5

Let me know what you think.

On another note: Minority won't be able to do April 4th because of scheduling so that's why I changed the invite for April 11th. We may have to play with the times.

Best,

Laura



Ramazzini Breifing  
Agenda-Majority ...

---

Laura E. Gómez Rodríguez  
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Washington D.C., 20460  
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gomez.laura@epa.gov

Message

---

**From:** Barone, Stan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A4F8618ACBBA418DA24C110F3123A2AF-BARONE, STAN]  
**Sent:** 3/7/2012 1:55:20 PM  
**To:** Michael Slimak [Slimak.MichaelLNDU@usepa.onmicrosoft.com]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Perovich, Gina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e3c19d7f4db41bfa2477aa27ad83945-Perovich, Gina]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Karen Hammerstrom [Hammerstrom.KarenLNDU@usepa.onmicrosoft.com]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; Debra Walsh [Walsh.DebraLNDU@usepa.onmicrosoft.com]; Troyer, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=847b0020dd0e457e85f994a1ad64b26d-Troyer, Michael]; Craig Johnson [Johnson.CraigLNDU@usepa.onmicrosoft.com]; Avery, James [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b0fc9e70467647709fa9377dfb987f10-Avery, James];  
**CC:** Ila Cote [Cote.IlaLNDU@usepa.onmicrosoft.com]; Lyle Burgoon [Burgoon.LyleLNDU@usepa.onmicrosoft.com]; Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]  
**Subject:** Fw: Draft SAB report on 2013 budget request  
**Attachments:** SAB FY2013PresBud draft Rpt-03.06.12.pdf

# Deliberative Process / Ex. 5

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Stanley Barone, Jr., Ph.D.  
Senior Scientist  
Assistant Center Director for Health  
NCEA/ORD Mail Code 8601P  
1200 Pennsylvania Ave. NW  
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USA

----- Forwarded by Stan Barone/DC/USEPA/US on 03/07/2012 08:46 AM -----

From: Stacey Katz/DC/USEPA/US  
To: Andy Miller/RTP/USEPA/US@EPA, Becki Clark/DC/USEPA/US@EPA, Dan Costa/RTP/USEPA/US@EPA, Gail Robarge/DC/USEPA/US@EPA, Gregory Sayles/CI/USEPA/US@EPA, Iris Goodman/DC/USEPA/US@EPA, Jennifer Orme-Zavaleta/RTP/USEPA/US@EPA, Jonathan Herrmann/CI/USEPA/US@EPA, Laurel Schultz/RTP/USEPA/US@EPA, Michael Loughran/DC/USEPA/US@EPA, Michael McDonald/RTP/USEPA/US@EPA, Phil Sayre/DC/USEPA/US@EPA, Rick Linthurst/RTP/USEPA/US@EPA, Robert Kavlock/RTP/USEPA/US@EPA, Stacey Katz/DC/USEPA/US@EPA, Stan Barone/DC/USEPA/US@EPA, Susan Euling/DC/USEPA/US@EPA, Tim Watkins/RTP/USEPA/US@EPA, Maya Pachnowski/RTP/USEPA/US@EPA, Chris Saint/DC/USEPA/US@EPA, Stacy Rabkin/DC/USEPA/US@EPA, Seema Schappelle/DC/USEPA/US@EPA, Mark Miller/DC/USEPA/US@EPA, Elizabeth Blackburn/DC/USEPA/US@EPA  
Date: 03/07/2012 08:29 AM  
Subject: Fw: Draft SAB report on 2013 budget request

Hi Folks,

Here is the DRAFT SAB report on the 2013 budget that the SAB budget workgroup will discuss tomorrow, March 8th. Share with anyone you'd like. It's on the SAB web page. Links to the March 8 meeting below



SAB

FY2013PresBud ...

---

Stacey Katz and Gail Robarge  
Office of the Assistant Administrator  
Office of Research and Development | U.S. EPA  
katz.stacey@epa.gov | 202.564.1599  
robarge.gail@epa.gov | 202.564.1588

----- Forwarded by Stacey Katz/DC/USEPA/US on 03/07/2012 08:23 AM -----

From: Angela Nugent/DC/USEPA/US  
To: Stacey Katz/DC/USEPA/US@EPA  
Cc: Gail Robarge/DC/USEPA/US@EPA  
Date: 03/07/2012 07:53 AM  
Subject: Re: where to find draft SAB report on 2013 budget request?

Stacey,

The draft report is posted on tomorrow's meeting web page (i.e., the meeting web page for March 8, 2012), which you can access through the calendar link on the SAB website or directly at

## Personal Matters / Ex. 6

The draft report is also available on the advisory activity page for this activity and through the recent additions page

---

Angela Nugent, Ph.D.  
Special Assistant/Designated Federal Officer  
EPA Science Advisory Board Staff Office

Mailing Address:  
US Environmental Protection Agency  
Mailcode 1400R  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460

Physical Location/Deliveries

ED\_002435\_00002750-00002



The Science Advisory Board Staff Office  
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Message

**From:** Jane Caldwell [Caldwell.JaneLNDU@usepa.onmicrosoft.com]  
**Sent:** 10/17/2011 10:09:13 PM  
**To:** White, Paul [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4e179825823c44ebbb07a9704e1e5d16-White, Paul]; Weihsueh Chiu [Chiu.WeihsuehLNDU@usepa.onmicrosoft.com]; Kate Guyton [Guyton.KateLNDU@usepa.onmicrosoft.com]; Cheryl Scott [Scott.CherylLNDU@usepa.onmicrosoft.com]; Jennifer Jinot [Jinot.JenniferLNDU@usepa.onmicrosoft.com]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Fox, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=46ff52d5c3624a638aa991e078967b0b-Fox, John]  
**Subject:** Fw: ESFA -- Statistical Significance and Biological Relevance  
**Attachments:** Statistical Significance Biological Relevance efsa j 11.pdf

FYI

-----Forwarded by Jane Caldwell/DC/USEPA/US on 10/17/2011 06:07PM -----

To: "Weinberg, Clarice (NIH/NIEHS) [E]" <weinberg@niehs.nih.gov>, "Dinse, Gregg (NIH/NIEHS) [E]" <dinse@niehs.nih.gov>, "Umbach, David (NIH/NIEHS) [E]" <umbach@niehs.nih.gov>, "Johnson, Frank (NIH/NIEHS) [E]" <johnson1@niehs.nih.gov>, peter infante <[REDACTED] Personal Matters / Ex. 6 >, Lauren Zeise <Lauren.Zeise@oehha.ca.gov>, "jennifer sass [NRDC]" <jsass@nrdc.org>, "Lunn, Ruth (NIH/NIEHS) [E]" <lunn@niehs.nih.gov>, "Dunnick, June (NIH/NIEHS) [E]" <dunnickj@niehs.nih.gov>, kamal abdo <[REDACTED] Personal Matters / Ex. 6 >, joe haseman <[REDACTED] Personal Matters / Ex. 6 >, loretta schuman <Schuman.Loretta@dol.gov>, Jerrold Ward <[REDACTED] Personal Matters / Ex. 6 >, "Stokes, William (NIH/NIEHS) [E]" <stokes@niehs.nih.gov>, chris portier <cportier@cdc.gov>, fiorella belpoggi <belpoggif@ramazzini.it>, "morando [may09] soffritti" <soffrittimm@ramazzini.it>  
From: "Huff, James (NIH/NIEHS) [E]" <huff1@niehs.nih.gov>  
Date: 10/17/2011 05:38PM  
Subject: ESFA -- Statistical Significance and Biological Relevance  
(See attached file: Statistical Significance Biological Relevance efsa j 11.pdf)

Hi  
Might be useful esp if you ever interact with The European Food Safety Authority (EFSA)  
J-

Suggested citation: EFSA Scientific Committee; Statistical Significance and Biological Relevance. EFSA Journal 2011;9(9):2372. [17 pp.] doi:10.2903/j.efsa.2011.2372. Available online: [www.efsa.europa.eu/efsajournal](http://www.efsa.europa.eu/efsajournal)  
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Statistical Significance and Biological Relevance  
EFSA Scientific Committee2, 3  
European Food Safety Authority (EFSA), Parma, Italy  
ABSTRACT

The Scientific Committee (SC) developed an opinion addressing the issue of statistical significance and biological relevance. The objective of the document is to help EFSA Scientific Panels and Committee in the assessment of biologically relevant effects. The SC considered the distinction between the concepts of biological relevance and statistical significance and produced descriptions of the terms. It is suggested that EFSA Experts and Staff members should use the terminology of biological relevance and statistical significance as interpreted by the SC in their considerations.

The SC recommends that the nature and size of biological changes or differences seen in studies that would be considered relevant should be defined before studies are initiated. The size of such changes should be used to design studies with sufficient statistical power to be able to detect effects of such size if they truly occurred. Statistical significance is considered as just one part of an appropriate statistical analysis of a well designed experiment or study. Identifying statistical significance should not be the primary objective of a statistical analysis. The relationship of statistical significance to the concept of hypothesis testing was considered and the limitations on the use of hypothesis testing in the risk assessment process when interpreting data were noted. The SC therefore recommended that less emphasis should be placed upon the reporting of statistical significance and more on statistical point estimation and associated interval estimations (e.g. Confidence Interval) as more information can be presented using the latter. In addition, the SC recommends that a complete description of the methods used, the programming code and the raw data are made available to the assessors so that alternative analyses could be conducted to test the robustness of any conclusions drawn.

© European Food Safety Authority, 2011

Message

**From:** Jane Caldwell [Caldwell.JaneLNDU@usepa.onmicrosoft.com]  
**Sent:** 8/24/2012 3:14:30 PM  
**To:** Arthur Chiu [Chiu.ArthurLNDU@usepa.onmicrosoft.com]; Chao Chen [Chen.ChaoLNDU@usepa.onmicrosoft.com]; Cheryl Scott [Scott.CherylLNDU@usepa.onmicrosoft.com]; clarinut@nc.rr.com; David Miller [Miller.DavidLNDU@usepa.onmicrosoft.com]; James-Doctor Walker [Walker.James-DoctorLNDU@usepa.onmicrosoft.com]; Jennifer Jinot [Jinot.JenniferLNDU@usepa.onmicrosoft.com]; Fox, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=46ff52d5c3624a638aa991e078967b0b-Fox, John]; Kopylev, Leonid [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=abfe6798809e4c8c8a27452ec86726d8-Kopylev, Leonid]; Field, Malcolm [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8d12938447d14c7babcf431d75d745f6-Field, Malcolm]; Maria Spassova [Spassova.Maria@epa.gov]; Schlosser, Paul [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=121cf759d94e4f08afde0ceb646e711b-Schlosser, Paul]; Subramaniam, Ravi [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e738f9d27062486e9047184b867fd968-Subramaniam, Ravi]; Blessinger, Todd [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f5240ca690c84f8b20bac6fd7273fd5-Blessinger, Todd]; Weihsueh Chiu [Chiu.WeihsuehLNDU@usepa.onmicrosoft.com]; Krista Christensen [Christensen.KristaLNDU@usepa.onmicrosoft.com]; White, Paul [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4e179825823c44ebbb07a9704e1e5d16-White, Paul]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**Subject:** Fw: Rodu et al PDF -- Re: Report on Carcinogens - RTP Industry article re attacking/abolishing it  
**Attachments:** Rodu 2012 comments on NTP RoC.pdf

FYI

----- Forwarded by Jane Caldwell/DC/USEPA/US on 08/24/2012 11:12 AM -----

**From:** "Huff, James (NIH/NIEHS) [E]" <huff1@niehs.nih.gov>  
**To:** "Lunn, Ruth (NIH/NIEHS) [E]" <lunn@niehs.nih.gov>, Lauren Zeise [Personal Matters / Ex. 6], Kurt Straif <StraifK@iarc.fr>, "Dunnick, June (NIH/NIEHS) [E]" <dunnickj@niehs.nih.gov>, Jerrold Ward [Personal Matters / Ex. 6], kathy burns <kmb@sciencecorps.org>, Frank Johnson <[Personal Matters / Ex. 6]>, peter infante <[Personal Matters / Ex. 6]>, "jennifer sass [NRDC]" <jsass@nrdc.org>, frank mirer <fmirer@hunter.cuny.edu>, barry castleman <[Personal Matters / Ex. 6]>, danny teitelbaum <toxdoc@ix.netcom.com>, Doug Bristol <[Personal Matters / Ex. 6]>, Po Chan <[Personal Matters / Ex. 6]>, "Newbold, Retha (NIH/NIEHS) [C]" <newbold1@niehs.nih.gov>, fiorella belpoggi <belpoggif@ramazzini.it>, "morando [may09] soffritti" <soffrittim@ramazzini.it>, phil landrigan <phil.landrigan@mssm.edu>, philippe grandjean <pgrandjean@health.sdu.dk>, Andrew Watterson <a.e.watterson@stir.ac.uk>, Dan Wartenberg <dew@eohsi.rutgers.edu>, susanna bohme <susanna\_bohme@ijoe.com>, david egilman <degilman@egilman.com>, "Jirles, Bill (NIH/NIEHS) [E]" <jirles@niehs.nih.gov>, "Kleeberger, Steven (NIH/NIEHS) [E]" <kleeber1@niehs.nih.gov>, fred vom saal <vomsaalf@missouri.edu>, david ozonoff <dozonoff@bu.edu>, Benedetto Terracini <benedetto.terracini@fastwebnet.it>, joel tickner <joel\_tickner@uml.edu>, Steve Wing <Steve\_Wing@unc.edu>, michael jacobson <mjacobson@cspinet.org>, devra davis <ddavis@ehtrust.org>, Samuel S Epstein <epstein@uic.edu>, tk joshi <joshi\_tk@rediffmail.com>  
**Cc:** "Birnbaum, Linda (NIH/NIEHS) [E]" <birnbaumis@niehs.nih.gov>, "Flowers, Christine B (NIH/NIEHS) [E]" <bruskec@niehs.nih.gov>  
**Date:** 08/24/2012 11:07 AM  
**Subject:** Rodu et al PDF -- Re: Report on Carcinogens - RTP Industry article re attacking/abolishing it

On 24/08/2012 11:05, "Huff, James (NIH/NIEHS) [E]" <huff1@niehs.nih.gov> wrote:

Hi

Some of you might have seen this already. Another 'industry' [tobacco, exponent, etc] attack on the NTP Report on Carcinogens. First met Phil Cole when we were both at IARC. He was 'industry' then and remains such. Also Jack M long in their camp. Don't know Rodu but paid with tobacco \$\$.

Obviously do not agree with their theme/mission, but I too over the years have suggested developing more categories and certainly for more chemicals to be reviewed. Unfortunately the "process" has become severely cumbersome, problematic, time consuming. Hence suggested going to a loose-leaf book style and send out individual Profiles when done and approved rather than wait until every 2+ years or so. Same for updates.

When RoC was first mandated, Hans Falk, Raymond Shapiro, and I would sit in Hans' office and 'decide' which chemicals went in. Then would meet with David Rall and go over these individually. Recall the first Report had 25 entries. Of course the first few Reports contained those agents with unequivocal evidence.

And yes RoC was first "assigned" to NCI [stated in RTP article], but Arthur Upton, then Director together with his advisors thought it better placed in NTP under David R. And Donald Fredrickson, then Director NIH agreed as did Joseph Califano Sec/DHEW, who "declared/approved" NTP .

Perhaps NTP should respond formally for the record to this industrial journal outlet - Reg Tox Pharm [see Correspondence about Publication Ethics and Regulatory Toxicology and Pharmacology attached]\*\*

These anti-RoC folk are relentless and have industrial \$\$ and sizable political power on their side. But we have the truth.  
J-

\*\* Int J Occup Environ Health. 2003 Oct-Dec;9(4):386-9.

Correspondence about Publication Ethics and Regulatory Toxicology and Pharmacology.

Axelsson O, Balbus JM, Cohen G, Davis D, Donnay A, Doolittle R, Duran BM, Egilman D, Epstein SS, Goldman L, Grandjean P, Hansen ES, Heltne P, Huff J, Infante P, Jacobson MF, Joshi TK, LaDou J, Landrigan PJ, Lee PR, Lockwood AH, MacGregor G, Melnick R, Messing K, Needleman H, Ozonoff D, Ravanesi B, Richter ED, Sass J, Schubert D, Suzuki D, Teitelbaum D, Temple NJ, Terracini B, Thompson A, Tickner J, Tomatis L, Upton AC, Whyatt RM, Wigmore D, Wilson T, Wing SB, Sharpe VA.



Rodu 2012  
comments on NT...

Message

**From:** Jane Caldwell [Caldwell.JaneLNDU@usepa.onmicrosoft.com]  
**Sent:** 7/2/2012 10:32:37 PM  
**To:** Cheryl Scott [Scott.CherylLNDU@usepa.onmicrosoft.com]; Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Perovich, Gina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e3c19d7f4db41bfa2477aa27ad83945-Perovich, Gina]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]  
**Subject:** Fw: Long-term toxicology and carcinogenicity of 2,4,6-trichlorophenol  
**Attachments:** trichlorophenol CHEMOSPHERE July2012.pdf

FYI

Jane Caldwell

-----Forwarded by Jane Caldwell/DC/USEPA/US on 07/02/2012 06:31PM -----

To: "Lunn, Ruth (NIH/NIEHS) [E]" <lunn@niehs.nih.gov>, Lauren Zeise <[REDACTED] Personal Matters / Ex. 6 >, peter infante <[REDACTED] Personal Matters / Ex. 6 >, frank mirer <fmirer@hunter.cuny.edu>, Kurt Straif <StraifK@iarc.fr>, "jennifer sass [NRDC]" <jsass@nrdc.org>, kathy burns <kmb@sciencecorps.org>, fiorella belpoggi <belpoggif@ramazzini.it>, "morando [may09] soffritti" <soffrittim@ramazzini.it>, "Jirles, Bill (NIH/NIEHS) [E]" <jirles@niehs.nih.gov>  
From: "Huff, James (NIH/NIEHS) [E]" <huff1@niehs.nih.gov>  
Date: 07/02/2012 05:55PM  
Subject: Long-term toxicology and carcinogenicity of 2,4,6-trichlorophenol

(See attached file: trichlorophenol CHEMOSPHERE July2012.pdf)

Long-term toxicology and carcinogenicity of 2,4,6-trichlorophenol  
James Huff, National Institute of Environmental Health Sciences, 111 TW Alexander Drive, Research Triangle Park, NC 27709, USA Available online 27 June 2012. Chemosphere xxx (2012) xxx-xxx

Highlights

► Two-year cancer bioassays in rodents given dietary 2,4,6-trichlorophenol. ► Dietary levels to Fischer rats and B6C3F1 mice of 0%, 0.5%, 1.0% 2,4,6-TCP. ► Leukocytosis/monocytosis of peripheral blood, hyperplasia of bone marrow in rats. ► Liver cell abnormalities, altered foci, nodular hyperplasia in mice. ► 2,4,6-Trichlorophenol exposures associated with leukemia/lymphoma and liver tumors.

Abstract

Carcinogenesis bioassays were conducted by giving 2,4,6-trichlorophenol [2,4,6-TCP] in feed to groups of 50 male and female Fischer rats and male B6C3F1 mice for two years. Dietary concentrations were 0 [20/group], 5000 [0.5%], or 10,000 [1%] ppm. Female mice began with 10,000 and 20,000 ppm but after 38 weeks were lowered due to reduced body weights to 2500 and 5000 ppm for 67 weeks; exposures averaged 5200 and 10,400 ppm. Adverse effects at two years were leukocytosis and monocytosis of peripheral blood and hyperplasia of bone marrow in both sexes of rats. In mice, liver toxicity, including individual liver cell abnormalities, focal areas of cellular alteration, and focal and nodular areas of hyperplasia were commonly present. Regarding carcinogenic activity, TCP caused leukemias/lymphomas in male rats, and possibly in female rats and female mice as well, and induced liver tumors in male and female mice. Using NTP categories of evidence indicates 'clear evidence of carcinogenicity' for male rats [hematopoietic system tumors]; 'equivocal evidence of carcinogenicity' for female rats [hematopoietic system tumors]; 'clear evidence of carcinogenicity' for male and female mice [liver tumors].

Message

---

**From:** Flowers, Lynn [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1A4411C874D041B9A8BADFC32B91BD70-FLOWERS, LYNN]  
**Sent:** 1/26/2012 9:25:11 PM  
**To:** Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]; Deener, Kathleen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b9a2ff1c086249ea8f6414afde8a5e54-Deener, Kathleen]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**Subject:** FYI: Ramazzini--senate approp asking NTP questions

----- Forwarded by Lynn Flowers/DC/USEPA/US on 01/26/2012 04:18 PM -----

**From:** "Bucher, John (NIH/NIEHS) [E]" <bucher@niehs.nih.gov>  
**To:** "Newton, Sheila (NIH/NIEHS) [E]" <newton1@niehs.nih.gov>, "Wolfe, Mary (NIH/NIEHS) [E]" <wolfe@niehs.nih.gov>  
**Cc:** "Gant, Mary (NIH/NIEHS) [E]" <gant@niehs.nih.gov>, Lynn Flowers/DC/USEPA/US@EPA  
**Date:** 01/26/2012 04:13 PM  
**Subject:** Re: NTP Question

## Deliberative Process / Ex. 5

On 1/26/12 4:08 PM, "Newton, Sheila (NIH/NIEHS) [E]" <newton1@niehs.nih.gov> wrote:

## Deliberative Process / Ex. 5

**From:** Houser, Anne (NIH/OD) [E]  
**Sent:** Thursday, January 26, 2012 4:08 PM  
**To:** Gant, Mary (NIH/NIEHS) [E]; Newton, Sheila (NIH/NIEHS) [E]  
**Cc:** White, Pat (NIH/OD) [E]; Houser, Anne (NIH/OD) [E]  
**Subject:** FW: NTP Question

### Deliberative Process / Ex. 5

**From:** Friedel, Laura (Appropriations) [mailto:Laura\_Friedel@appro.senate.gov]  
**Sent:** Thursday, January 26, 2012 3:29 PM  
**To:** Houser, Anne (NIH/OD) [E]  
**Subject:** NTP Question

Hi,

Press reports are indicating that NTP may release their final report on the Ramazzini Institute's study by end of January. Do you know if that is correct? And can I get a copy of NTP's report when released, please?

Thank you!

Laura Friedel

Committee on Appropriations  
Subcommittee on Labor, HHS, and Education  
156 Dirksen Senate Office Building  
Washington, DC 20510  
202-224-0314

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Message

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**From:** Flowers, Lynn [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1A4411C874D041B9A8BADFC32B91BD70-FLOWERS, LYNN]  
**Sent:** 3/29/2012 6:49:40 PM  
**To:** Joanne Rodman [Rodman.JoanneLNDU@usepa.onmicrosoft.com]  
**CC:** Gomez, Laura [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=575ba24fc19d429c8302a05102353238-lgomez]; Clark, Becki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a906e07f1cd143b9a3c2ddab813b8140-Clark, Becki]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Deener, Kathleen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b9a2ff1c086249ea8f6414afde8a5e54-Deener, Kathleen]; Robert Kavlock [Kavlock.RobertLNDU@usepa.onmicrosoft.com]  
**Subject:** Re: Fw: ENCLOSED: Ramazzini Draft Agenda  
**Attachments:** Ramazzini Breifing Agenda.doc

Joanne: Can you please put Becki's name on the agenda for both parts? Thanks!  
Lynn

Lynn Flowers, PhD, DABT  
Associate Director for Health  
National Center for Environmental Assessment  
Office of Research and Development  
U.S. EPA

Mailing address:  
1200 Pennsylvania Ave., NW (8601P)  
Washington, DC 20460  
Phone: 703-347-8537  
FAX: 703-347-8699

Physical location:  
Two Potomac Yard (North Building)  
2733 S. Crystal Drive  
Arlington, VA 22202

**From:** Joanne Rodman/DC/USEPA/US  
**To:** Laura Gomez/DC/USEPA/US@EPA  
**Cc:** Becki Clark/DC/USEPA/US@EPA, Darrell Winner/DC/USEPA/US@EPA, Lynn Flowers/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA, Kathleen Deener/DC/USEPA/US@EPA, Robert Kavlock/DC/USEPA/US@EPA  
**Date:** 03/29/2012 12:30 PM  
**Subject:** Re: Fw: ENCLOSED: Ramazzini Draft Agenda

The agenda looks good. NCEA Who should be the EPA presenters? I would suggest Becki or Darrell for the first overview and Lynn for the EPA role, but defer to you.

Joanne Rodman  
Office of Research and Development  
202-564-2708  
rodman.joanne@epa.gov

From: Laura Gomez/DC/USEPA/US  
To: Joanne Rodman/DC/USEPA/US@EPA  
Date: 03/29/2012 12:16 PM  
Subject: Fw: ENCLOSED: Ramazzini Draft Agenda

Do you have any comments on the agenda?

I'll be away from my desk today until 4 pm.

-Laura

-----  
Laura E. Gómez Rodríguez  
U.S. Environmental Protection Agency (EPA)  
Office of Congressional & Intergovernmental Relations (OCIR)  
1200 Pennsylvania Ave., NW (MC-1301R)  
Washington D.C., 20460  
(P) 202-564-5736  
(F) 202-501-1549  
gomez.laura@epa.gov

----- Forwarded by Laura Gomez/DC/USEPA/US on 03/29/2012 12:16 PM -----

From: Laura Gomez/DC/USEPA/US  
To: Darrell Winner/DC/USEPA/US@EPA, Kathleen Deener/DC/USEPA/US@EPA, Lynn Flowers/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA  
Cc: Joanne Rodman/DC/USEPA/US@EPA  
Date: 03/28/2012 06:01 PM  
Subject: ENCLOSED: Ramazzini Draft Agenda

Hi Everyone,

Please see the attached draft Agenda and let me know if you have any comments. Please make any additions that you think we may want to include **Deliberative Process / Ex. 5** who you feel will be able to present on the what's listed.

## **Deliberative Process / Ex. 5**

What are your thoughts?

## **Deliberative Process / Ex. 5**

Let me know your feedback and edits by COB tomorrow.

Best,

Laura



Ramazzini Breifing  
Agenda.doc

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Laura E. Gómez Rodríguez  
U.S. Environmental Protection Agency (EPA)  
Office of Congressional & Intergovernmental Relations (OCIR)  
1200 Pennsylvania Ave., NW (MC-1301R)  
Washington D.C., 20460  
(P) 202-564-5736  
(F) 202-501-1549  
gomez.laura@epa.gov

Message

**From:** Deener, Kathleen [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B9A2FF1C086249EA8F6414AFDE8A5E54-DEENER, KATHLEEN]  
**Sent:** 2/20/2014 8:48:56 PM  
**To:** Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; Walsh, Debra [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d4fd965338fc4d449c2954945c41de46-Walsh, Debra]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**CC:** Shams, Dahnish [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b7037e39bb6341c8850bcd61bf9d65a-Shams, Dahn]; Jarabek, Annie [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8b1de54d48e1429c8129f6499211dbdb-Jarabek, Annie]; Perovich, Gina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e3c19d7f4db41bfa2477aa27ad83945-Perovich, Gina]  
**Subject:** FW: STORY DEVELOPING: Explosion in Northwood, Iowa  
**Attachments:** Spot Report\_ NorthwoodAg.docx; NorthwoodAgTierII.27606.pdf; NorthwoodAg.RFI\_159U-2.pdf

Heads up – there was an explosion at an agricultural chemical storage facility in Iowa this morning. The whole town was evacuated (and during blizzard like conditions).

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Here's a recent media story about it: <http://www.nydailynews.com/news/national/entire-iowa-town-evacuated-fire-fertilizer-plant-article-1.1621077>

Kacee Deener, MPH  
Communications Director  
National Center for Environmental Assessment  
(ph) 703.347.8514  
(blackberry) **Personal Matters / Ex. 6**  
deener.kathleen@epa.gov

---

**From:** Sauerhage, Maggie  
**Sent:** Thursday, February 20, 2014 3:16 PM  
**To:** Deener, Kathleen; Shams, Dahnish  
**Cc:** Maguire, Megan  
**Subject:** FW: STORY DEVELOPING: Explosion in Northwood, Iowa

Hi guys, please see below. Do we have anything more up to date than this?  
<http://cfpub.epa.gov/ncea/cfm/recorddisplay.cfm?deid=36477> \*

Maggie Sauerhage  
Science Communications  
EPA Office of Research and Development  
(202) 564-3073  
RRB 41268

---

**From:** Jones, Enesta

**Sent:** Thursday, February 20, 2014 3:11 PM

**To:** Strauss, Linda; Flattery, Priscilla; Blackburn, Elizabeth; Felver, Rachel; Gentile, Laura; Sauerhage, Maggie; Maguire, Megan; Loop, Travis; Senn, John; Drinkard, Andrea; Davis, Alison

**Cc:** Hull, George; Behringer, Caroline; Belknap, Andra; Jones, Enesta

**Subject:** STORY DEVELOPING: Explosion in Northwood, Iowa

Hi All,

As you may know by now, a mass evacuation occurred this morning at an agricultural storage facility in Northwood, Iowa. In an email below, you will find all the latest information on the situation as provided by Region 7.

We have received one media inquiry so far from Al Jazerra about the risks of sulfuric acid, which unlike what has been reported, has allegedly not been found there.

Learning from our experience with other recent emergency responses, we would like to move full speed ahead on anticipated media inquiries about:

## Deliberative Process / Ex. 5

Please share this information as soon as you can.

Thanks.

---

**From:** Bryan, David

**Sent:** Thursday, February 20, 2014 2:48:29 PM

**To:** Jones, Enesta

**Cc:** Behringer, Caroline; Johnson, Alisha; Belknap, Andra; Cohen, David; Bryan, David; Hull, George; Smith, Roxanne; Cohen, Nancy; Deitz, Randy; Thomas, Latosha; Jones, Enesta; Peterson, Mary; Thomas, Hattie

**Subject:** Spot Report - Northwood Ag Products Explosion, Northwood, Iowa

## Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

Will keep you posted.

David W. Bryan, APR  
Press Officer/Public Affairs Specialist  
Region 7 Office of Public Affairs  
Environmental Protection Agency  
11201 Renner Blvd, Lenexa, KS 66219  
Phone - 913.551.7433  
bb: Personal Matters / Ex. 6  
Email - [bryan.david@epa.gov](mailto:bryan.david@epa.gov)

<http://www.facebook.com/eparegion7>  
[www.twitter.com/EPAregion7](http://www.twitter.com/EPAregion7)  
[www.scribd.com/eparegion7](http://www.scribd.com/eparegion7)

---

**From:** Baskins, Kevin [DNR] [<mailto:Kevin.Baskins@dnr.iowa.gov>]  
**Sent:** Thursday, February 20, 2014 1:17 PM  
**To:** Bryan, David  
**Subject:** RE: Spot Report - Northwood Ag Products Explosion, Northwood, Iowa

Ok. Thanks.

Just did a WHO radio interview saying it is too early to say exactly what would have been released by the fire and will probably be problematic anyway. I've had some experience with one of these. It gets difficult when you don't know how the chemical got released and in what quantities and at what temperatures. I did state that it is **NOT** sulfuric acid.

KEVIN BASKINS



Iowa Department of Natural Resources  
P 515-281-8395 | F 515-281-6794 | [kevin.baskins@dnr.iowa.gov](mailto:kevin.baskins@dnr.iowa.gov)  
Wallace State Office Building | Des Moines, IA 50319

[WWW.IOWADNR.GOV](http://WWW.IOWADNR.GOV)

*Leading Iowans in Caring for Our Natural Resources.*



---

**From:** Hayes, Scott  
**Sent:** Thursday, February 20, 2014 1:12 PM  
**To:** Bryan, David; Eoc, Epahq  
**Subject:** Re: Spot Report - Northwood Ag Products Explosion, Northwood, Iowa

Not releaseable to public at this time.

Scott D. Hayes, Chief  
Emergency Response & Removal  
Region 7 Regional Response Team  
US Environmental Protection Agency  
11201 Renner Boulevard  
Lenexa, Kansas 66219  
913.551.7670 (o)

Personal Matters / Ex. 6

**From:** Bryan, David  
**Sent:** Thursday, February 20, 2014 12:57:53 PM  
**To:** Hayes, Scott  
**Subject:** RE: Spot Report - Northwood Ag Products Explosion, Northwood, Iowa

Can I give this to the Iowa DNR Public Information Officer, Kevin Baskins?

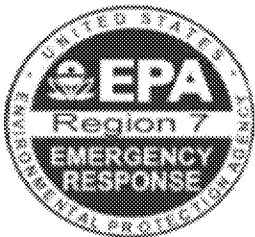
David W. Bryan, APR  
Press Officer/Public Affairs Specialist  
Region 7 Office of Public Affairs  
Environmental Protection Agency  
11201 Renner Blvd, Lenexa, KS 66219  
Phone - 913.551.7433  
bb: Personal Matters / Ex. 6  
Email - [bryan.david@epa.gov](mailto:bryan.david@epa.gov)

<http://www.facebook.com/eparegion7>  
[www.twitter.com/EPAregion7](http://www.twitter.com/EPAregion7)  
[www.scribd.com/eparegion7](http://www.scribd.com/eparegion7)

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**From:** Hayes, Scott  
**Sent:** Thursday, February 20, 2014 12:36 PM  
**To:** Hayes, Scott; Eoc, Epahq; Nold, Eric; Frey, John; Peterson, Mary; Thomas, Hattie; Bryan, David; Irizarry, Gilberto; Lee, Eugene; Boynton, Lisa; Buchholz, Ken; Williams, David (R7); Irizarry, Gilberto; Whitley, Christopher; Washburn, Ben  
**Cc:** Tapia, Cecilia; Jackson, Robert W.; Hague, Mark; Bustos, Patrick; Hess, George; Reitz, Patricia; Green, Jamie; Teter, Royan; Frizzell, Damon; Singletary, DeAndre; El-Zein, Jason; Borries, Samuel  
**Subject:** Spot Report - Northwood Ag Products Explosion, Northwood, Iowa

NOTE: FECS report to follow.



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# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Deliberative Process / Ex. 5



# Deliberative Process / Ex. 5

***Scott D. Hayes***

*Chief, Emergency Response & Removal South*

*Co-Chair, Regional Response Team 7*

*US Environmental Protection Agency*

*11201 Renner Boulevard*

*Lenexa, Kansas 66219*

*913.551.7670 (o)*

Personal Matters / Ex. 6 (m)

Message

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**From:** Hartwig, Andrea (IAB) [andrea.hartwig@kit.edu]  
**Sent:** 12/10/2013 8:20:43 PM  
**To:** Wacholder, Sholom (NIH/NCI) [E] [wacholds@exchange.nih.gov]; Christopher Portier [PortierC@visitors.iarc.fr]; romualdo.benigni@iss.it; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; eeisen@berkeley.edu; david.richardson@unc.edu; edgar.rivedal@vkm.no; Schubauer-Berigan, Mary K. (CDC/NIOSH/DSHEFS) [zcg3@CDC.GOV]; Bernard.Stewart@sesiahs.health.nsw.gov.au; thayer@niehs.nih.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=856d4c6b871348ea91a33f8864e03f3e-thayer@niehs.nih.gov]; htsuda@phar.nagoya-cu.ac.jp; r.c.h.vermeulen@uu.nl; p.vineis@imperial.ac.uk; lzeise@oehha.ca.gov; dkrewski@uottawa.ca [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ef67228b71b04e6eb857fc18e459b5bf-dkrewski@uo]; l.rushton@imperial.ac.uk; martynts@berkeley.edu  
**Subject:** Re: Draft Advisory Group Report

Dear Chris, dear all,  
For me the report looks fine, I have no additions or further remarks.  
Best wishes,  
Andrea

---

**Von:** <Wacholder>, "Sholom [E] (NIH/NCI)" <wacholds@exchange.nih.gov>  
**Datum:** Montag, 9. Dezember 2013 23:52  
**An:** Christopher Portier <PortierC@visitors.iarc.fr>, "romualdo.benigni@iss.it" <romualdo.benigni@iss.it>, "cogliano.vincent@epamail.epa.gov" <cogliano.vincent@epamail.epa.gov>, "eeisen@berkeley.edu" <eeisen@berkeley.edu>, Andrea Hartwig <Andrea.Hartwig@kit.edu>, "david.richardson@unc.edu" <david.richardson@unc.edu>, "edgar.rivedal@vkm.no" <edgar.rivedal@vkm.no>, "Schubauer-Berigan, Mary K. (CDC/NIOSH/DSHEFS)" <zcg3@CDC.GOV>, "Bernard.Stewart@sesiahs.health.nsw.gov.au" <Bernard.Stewart@sesiahs.health.nsw.gov.au>, "Thayer, Kristina (NIH/NIEHS) [E]" <thayer@niehs.nih.gov>, "htsuda@phar.nagoya-cu.ac.jp" <htsuda@phar.nagoya-cu.ac.jp>, "r.c.h.vermeulen@uu.nl" <r.c.h.vermeulen@uu.nl>, "p.vineis@imperial.ac.uk" <p.vineis@imperial.ac.uk>, "lzeise@oehha.ca.gov" <lzeise@oehha.ca.gov>, "dkrewski@uottawa.ca" <dkrewski@uottawa.ca>, "l.rushton@imperial.ac.uk" <l.rushton@imperial.ac.uk>, "martynts@berkeley.edu" <martynts@berkeley.edu>  
**Betreff:** RE: Draft Advisory Group Report

You did a very nice job of summarizing the meeting, Chris.

One very minor picky detail. On p. 4: <sup>3</sup>the AG encourages IARC to evaluate and improve methods for combining epidemiology data to develop exposure-response curves that could be used in QRC.<sup>2</sup> I would like to see a little more detail on what <sup>3</sup>exposure-response curves<sup>2</sup> means in context. I think you mean to say something like <sup>3</sup>response, as measured by risk, to exposure, including qualitative and quantitative measures of one or more factor affecting risk.<sup>2</sup>

I know, this level of detail is contrary to the (appropriate) terseness of the document. But I think it will provide a bit more clarity to the summary.

Sholom

---

**From:** Christopher Portier [mailto:PortierC@visitors.iarc.fr]  
**Sent:** 27 November, 2013 03:43  
**To:** romualdo.benigni@iss.it; cogliano.vincent@epamail.epa.gov; eeisen@berkeley.edu; andrea.hartwig@kit.edu; david.richardson@unc.edu; edgar.rivedal@vkm.no; Schubauer-Berigan, Mary K. (CDC/NIOSH/DSHEFS); Bernard.Stewart@sesiahs.health.nsw.gov.au; Thayer, Kristina (NIH/NIEHS) [E]; htsuda@phar.nagoya-cu.ac.jp; r.c.h.vermeulen@uu.nl; p.vineis@imperial.ac.uk; Wacholder, Sholom (NIH/NCI) [E]; lzeise@oehha.ca.gov;

[dkrewski@uottawa.ca](mailto:dkrewski@uottawa.ca); [l.rushton@imperial.ac.uk](mailto:l.rushton@imperial.ac.uk); [martynts@berkeley.edu](mailto:martynts@berkeley.edu)

**Cc:** Christopher Portier

**Subject:** Draft Advisory Group Report

Dear Colleagues,

# PBI / Ex. 4

Sincerely,

C.

Message

**From:** Jones, Samantha [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=EAC77FE3B20C4667B8C534C90C15A830-JONES, SAMANTHA]  
**Sent:** 3/18/2014 6:04:37 PM  
**To:** Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Gehlhaus, Martin [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc091da1fa684dd89435443c87c4f9a5-Gehlhaus, Martin]; Perovich, Gina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e3c19d7f4db41bfa2477aa27ad83945-Perovich, Gina]; Strong, Jamie [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ea753aafefb74c268550fe6a2c187838-Benedict, Jamie]; Newhouse, Kathleen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5f019c8179304045acd61bc05b571fb0-Newhouse, Kathleen]; Pratt, Margaret [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8eda90b62a874c7ea9d857903ac1fd14-Pratt, Margaret]; Chiu, Weihsueh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9895659b6eb34dcabe92d46ca7b3b2f7-Chiu, Wuehsueh]; Keshava, Channa [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d918a1519f1944ac9bc242a8efc137ad-Keshava, Channa]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**Subject:** RE: Information on PAH/ultrafine particles NIEHS/IOM meeting on April 1

I am interested in attended as well. (also, it looked like this was going to Vince's gmail account, so I deleted and added his EPA account!)

Samantha

-----Original Message-----

**From:** Flowers, Lynn  
**Sent:** Tuesday, March 18, 2014 10:22 AM  
**To:** Gehlhaus, Martin; Vincent Cogliano; Perovich, Gina; Strong, Jamie; Newhouse, Kathleen; Pratt, Margaret; Chiu, Weihsueh; Keshava, Channa; Jones, Samantha  
**Subject:** Information on PAH/ultrafine particles NIEHS/IOM meeting on April 1

## Deliberative Process / Ex. 5

**From:** Flowers, Lynn  
**Sent:** Tuesday, March 18, 2014 9:52:15 AM  
**To:** Vandenberg, John; Dutton, Steven; Sacks, Jason; Sams, Reeder  
**Cc:** Costa, Dan; Walsh, Debra  
**Subject:** RE: note from Gina

## Deliberative Process / Ex. 5

Lynn

Lynn Flowers, PhD, DABT  
Associate Director for Health  
National Center for Environmental Assessment US EPA Washington, DC  
703-347-8537

-----Original Message-----

**From:** Vandenberg, John  
**Sent:** Monday, March 17, 2014 10:27 AM  
**To:** Dutton, Steven; Flowers, Lynn; Sacks, Jason; Sams, Reeder  
**Cc:** Costa, Dan; Walsh, Debra  
**Subject:** FW: note from Gina

Let's discuss - I don't have any other details about the NIEHS meeting besides what is here.

-----Original Message-----

From: Costa, Dan  
Sent: Monday, March 17, 2014 10:23 AM  
To: Sargeant, Kathryn; Bailey, Chad; Hoyer, Marion; Sacks, Jason; Bushnell, Philip  
Cc: Vandenberg, John; Kavlock, Robert; Russo, Bill; Schultz, Laurel; Vette, Alan  
Subject: FW: note from Gina

# Deliberative Process / Ex. 5

urc

=====

Dan Costa, Sc.D., DABT  
National Program Director for Air, Climate and Energy (ORD/EPA) E205-09, EPA Research Campus, Research Triangle Park, NC 27711; FedEx Address: 4930 page Rd, Durham, NC 27703  
ph: 919.541.2532; work cell [Personal Matters / Ex. 6] personal cell [Personal Matters / Ex. 6]  
Email: costa.dan@epa.gov; personal: [Personal Matters / Ex. 6]

-----Original Message-----

From: McCabe, Janet  
Sent: Sunday, March 16, 2014 10:13 PM  
To: Adm13McCarthy, Gina; Kadeli, Lek; Hengst, Benjamin  
Cc: Costa, Dan; Grundler, Christopher  
Subject: RE: Dont read this til you get back!

Thanks, gina. Adding Ben since Chris is on vacation this week.

-----

From: Adm13McCarthy, Gina  
Sent: Friday, March 14, 2014 3:55 PM  
To: McCabe, Janet; Kadeli, Lek  
Cc: Costa, Dan; Grundler, Christopher  
Subject: Dont read this til you get back!

FYI

# Deliberative Process / Ex. 5

Thanks!

Message

---

**From:** Deener, Kathleen [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B9A2FF1C086249EA8F6414AFDE8A5E54-DEENER, KATHLEEN]  
**Sent:** 7/29/2013 2:30:09 PM  
**To:** Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**CC:** Olden, Kenneth [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8979224c77ea4d559f70cab1688f28aa-Olden, Kenneth]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; Walsh, Debra [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d4fd965338fc4d449c2954945c41de46-Walsh, Debra]  
**Subject:** RE: Briefing for Arvin today  
**Attachments:** IRIS 101 Briefing\_Updated 06.28.12.pptx

I dug up the IRIS 101 presentation that we gave to Ken when he first arrived in NCEA. You might be able to pull some information from some of these slides.

Kacee Deener, MPH  
Communications Director  
(ph) 703.347.8514  
(blackberry) Ex. 6  
deener.kathleen@epa.gov

---

**From:** Flowers, Lynn  
**Sent:** Monday, July 29, 2013 9:19 AM  
**To:** Cogliano, Vincent  
**Cc:** Olden, Kenneth; Vandenberg, John; Walsh, Debra; Deener, Kathleen  
**Subject:** Re: Briefing for Arvin today

# Deliberative Process / Ex. 5

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**From:** Cogliano, Vincent  
**Sent:** Monday, July 29, 2013 9:03:37 AM  
**To:** Flowers, Lynn  
**Cc:** Olden, Kenneth; Vandenberg, John; Walsh, Debra; Deener, Kathleen  
**Subject:** RE: Briefing for Arvin today

# Deliberative Process / Ex. 5

Vince

---

**From:** Flowers, Lynn

**Sent:** Monday, July 29, 2013 8:52 AM

**Cc:** Olden, Kenneth; Vandenberg, John; Walsh, Debra; Cogliano, Vincent; Deener, Kathleen

**Subject:** Briefing for Arvin today

I am looking through all of our slide presentations and none of them fit exactly what I am thinking that we need to walk Arvin through. He asks for a briefing on "structural issues including an overview" –taking up maybe ½ hour? Followed by walking him through the evidence table documents. What do you think?

# Deliberative Process / Ex. 5

Lynn Flowers, PhD, DABT  
Associate Director for Health  
National Center for Environmental Assessment  
US EPA  
Washington, DC  
703-347-8537

---

**From:** Ganesan, Arvin

**Sent:** Friday, July 26, 2013 9:57 AM

**To:** Gentry, Nathan

**Cc:** Kadeli, Lek; Mazur, Sarah; Olden, Kenneth; Vandenberg, John; Walsh, Debra; Flowers, Lynn; Cogliano, Vincent; Kavlock, Robert

**Subject:** RE: iris briefings

Monday at 4 works great. Thanks so much.

---

**From:** Gentry, Nathan  
**Sent:** Friday, July 26, 2013 9:56 AM  
**To:** Ganesan, Arvin  
**Cc:** Kadeli, Lek; Mazur, Sarah; Olden, Kenneth; Vandenberg, John; Walsh, Debra; Flowers, Lynn; Cogliano, Vincent; Kavlock, Robert  
**Subject:** RE: iris briefings

Arvin,

Would 4pm on Monday work for you? If not then, how about Tuesday at 10am?

Nathan Gentry  
Scheduler for Lek Kadeli and Bob Kavlock  
US EPA/ORD/IOAA  
tel: 202-564-9084  
fax: 202-565-2430  
[gentry.nathan@epa.gov](mailto:gentry.nathan@epa.gov)

---

**From:** Kavlock, Robert  
**Sent:** Friday, July 26, 2013 9:50 AM  
**To:** Gentry, Nathan  
**Cc:** Kadeli, Lek; Mazur, Sarah; Olden, Kenneth; Vandenberg, John; Walsh, Debra; Flowers, Lynn; Cogliano, Vincent  
**Subject:** FW: iris briefings

Nathan  
See what you can do. Include Ken, JohnV, DebraW, Vince and Lynn. Feel free to move my stuff around to accommodate Arvin.  
Bob

---

**From:** Ganesan, Arvin  
**Sent:** Friday, July 26, 2013 9:46 AM  
**To:** Kadeli, Lek; Kavlock, Robert  
**Subject:** iris briefings

Hi Lek and Bob,

# Deliberative Process / Ex. 5

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**Arvin R. Ganesan**  
Associate Administrator

U.S Environmental Protection Agency  
Office of Congressional and Intergovernmental Relations  
202.564.5200  
[ganesan.arvin@epa.gov](mailto:ganesan.arvin@epa.gov)



Message

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**From:** Bussard, David [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CF26B876393E44F38BDD06DB02DBBFE5-BUSSARD, DAVID]  
**Sent:** 5/2/2012 6:56:13 PM  
**To:** Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Winner, Darrell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]  
**Subject:** Agenda / proposals re EDC workshops  
**Attachments:** low dose Workshop Proposal with program (2).docx; low dose Workshop Proposal program EU updated\_DK EPA\_april.docx

Share with Becki and others if you think they need to see this.

My understanding is that Mary Manibusan, now Director of the EDC program (in OCSP ?), will be speaking for EPA at the upcoming workshops.

David

----- Forwarded by David Bussard/DC/USEPA/US on 05/02/2012 02:53 PM -----

**From:** "Heindel, Jerry (NIH/NIEHS) [E]" <heindelj@niehs.nih.gov>  
**To:** Robert Kavlock/RTP/USEPA/US@EPA  
**Date:** 02/13/2012 09:40 AM  
**Subject:** niehs and low dose meeting...very important

# Deliberative Process / Ex. 5

Jerrold (Jerry) Heindel, Ph.D.  
Scientific Program Administrator  
Cellular, Organs and Systems Pathobiology Branch  
National Institute of Environmental Health Sciences  
Division of Extramural Research and Training  
POB 12233 MD K3-15  
Research Triangle Park, NC, 27709  
(919) 541-0781(P)  
(919)541-5064(F)  
heindelj@niehs.nih.gov  
For express mail  
530 Davis Drive MD K3-15  
Morrisville NC 27560



low dose  
Workshop Propo...



low dose  
Workshop Propo...

Message

**From:** Deener, Kathleen [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B9A2FF1C086249EA8F6414AFDE8A5E54-DEENER, KATHLEEN]  
**Sent:** 10/21/2013 6:23:48 PM  
**To:** Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Perovich, Gina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e3c19d7f4db41bfa2477aa27ad83945-Perovich, Gina]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; Walsh, Debra [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d4fd965338fc4d449c2954945c41de46-Walsh, Debra]; Jones, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eac77fe3b20c4667b8c534c90c15a830-Jones, Samantha]; Sams, Reeder [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7d5b479ccd894cea99ae55df20de6971-Sams, Reeder]; Burgoon, Lyle [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fcec79fdcce947348d1a387abb06d727-Burgoon, Lyle]  
**CC:** Shams, Dahnish [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b7037e39bb6341c8850bcd61bf9d65a-Shams, Dahn]  
**Subject:** RE: Vitter: EPA Continues to Disappoint on Chemical Science - This Time It's Methanol

Okay – we will keep the general response we sent forward on Friday.

Kacee Deener, MPH  
Communications Director  
(ph) 703.347.8514  
(blackberry) Personal Matters / Ex. 6  
deener.kathleen@epa.gov

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**From:** Cogliano, Vincent  
**Sent:** Monday, October 21, 2013 1:02 PM  
**To:** Flowers, Lynn; Deener, Kathleen; Perovich, Gina; Vandenberg, John; Walsh, Debra; Jones, Samantha; Sams, Reeder; Burgoon, Lyle  
**Cc:** Shams, Dahnish  
**Subject:** RE: Vitter: EPA Continues to Disappoint on Chemical Science - This Time It's Methanol

Hello everyone

Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Sorry about the contrary view,  
Vince

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**From:** Flowers, Lynn

**Sent:** Monday, October 21, 2013 10:30 AM

**To:** Deener, Kathleen; Perovich, Gina; Cogliano, Vincent; Vandenberg, John; Walsh, Debra; Jones, Samantha; Sams, Reeder; Burgoon, Lyle

**Cc:** Shams, Dahnish

**Subject:** Re: Vitter: EPA Continues to Disappoint on Chemical Science - This Time It's Methanol

# Deliberative Process / Ex. 5

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**From:** Deener, Kathleen

**Sent:** Monday, October 21, 2013 9:19:10 AM

**To:** Perovich, Gina; Cogliano, Vincent; Vandenberg, John; Walsh, Debra; Flowers, Lynn; Jones, Samantha; Sams, Reeder; Burgoon, Lyle

**Cc:** Shams, Dahnish

**Subject:** RE: Vitter: EPA Continues to Disappoint on Chemical Science - This Time It's Methanol

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Kacee Deener, MPH  
Communications Director  
(ph) 703.347.8514  
(blackberry) Personal Matters / Ex. 6  
[deener.kathleen@epa.gov](mailto:deener.kathleen@epa.gov)

---

**From:** Perovich, Gina  
**Sent:** Friday, October 18, 2013 11:03 AM  
**To:** Deener, Kathleen; Cogliano, Vincent; Vandenberg, John; Walsh, Debra; Flowers, Lynn; Jones, Samantha; Sams, Reeder; Burgoon, Lyle  
**Cc:** Shams, Dahnish  
**Subject:** RE: Vitter: EPA Continues to Disappoint on Chemical Science - This Time It's Methanol

## Deliberative Process / Ex. 5

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Gina Perovich  
Acting Deputy Director  
IRIS Program  
USEPA/ORD/NCEA  
703-347-8656

---

**From:** Deener, Kathleen  
**Sent:** Friday, October 18, 2013 11:01 AM  
**To:** Cogliano, Vincent; Vandenberg, John; Walsh, Debra; Flowers, Lynn; Jones, Samantha; Perovich, Gina; Sams, Reeder; Burgoon, Lyle  
**Cc:** Shams, Dahnish  
**Subject:** RE: Vitter: EPA Continues to Disappoint on Chemical Science - This Time It's Methanol

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Kacee Deener, MPH  
Communications Director  
(ph) 703.347.8514  
(blackberry) Personal Matters / Ex. 6  
[deener.kathleen@epa.gov](mailto:deener.kathleen@epa.gov)

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**From:** Cogliano, Vincent  
**Sent:** Friday, October 18, 2013 10:44 AM  
**To:** Deener, Kathleen; Vandenberg, John; Walsh, Debra; Flowers, Lynn; Jones, Samantha; Perovich, Gina; Sams, Reeder; Burgoon, Lyle  
**Cc:** Shams, Dahnish  
**Subject:** Re: Vitter: EPA Continues to Disappoint on Chemical Science - This Time It's Methanol

# Deliberative Process / Ex. 5

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**From:** Deener, Kathleen  
**Sent:** Friday, October 18, 2013 10:23:21 AM  
**To:** Deener, Kathleen; Vandenberg, John; Walsh, Debra; Flowers, Lynn; Cogliano, Vincent; Jones, Samantha; Perovich, Gina; Sams, Reeder; Burgoon, Lyle  
**Cc:** Shams, Dahnish  
**Subject:** RE: Vitter: EPA Continues to Disappoint on Chemical Science - This Time It's Methanol

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Kacee Deener, MPH  
Communications Director  
(ph) 703.347.8514  
(blackberry) [Personal Matters / Ex. 6](#)  
[deener.kathleen@epa.gov](mailto:deener.kathleen@epa.gov)

---

**From:** Deener, Kathleen  
**Sent:** Thursday, October 17, 2013 1:15 PM  
**To:** Vandenberg, John; Walsh, Debra; Flowers, Lynn; Cogliano, Vincent; Jones, Samantha; Perovich, Gina; Sams, Reeder; Burgoon, Lyle  
**Cc:** Shams, Dahnish  
**Subject:** FW: Vitter: EPA Continues to Disappoint on Chemical Science - This Time It's Methanol

See below. I will draft something pretty general and circulate for your review. Has anyone been contacted by OCIR about this? If so, please let me know.

Kacee Deener, MPH  
Communications Director  
(ph) 703.347.8514  
(blackberry) [Personal Matters / Ex. 6](#)  
[deener.kathleen@epa.gov](mailto:deener.kathleen@epa.gov)

---

**From:** Blackburn, Elizabeth  
**Sent:** Thursday, October 17, 2013 1:08 PM  
**To:** Deener, Kathleen; Shams, Dahnish  
**Cc:** Sauerhage, Maggie; Maguire, Megan; Piantanida, David  
**Subject:** FW: Vitter: EPA Continues to Disappoint on Chemical Science - This Time It's Methanol

Hi Kacee and Dahnish,

Please see below. The reporter wants our response to Vitter's letter (that went incorrectly to Jim Jones I might add) about the Methanol assessment

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Think you can develop something?

Thanks

Liz Blackburn  
Science Communications Director  
USEPA Office of Research and Development  
[blackburn.elizabeth@epa.gov](mailto:blackburn.elizabeth@epa.gov)  
202-564-2192  
mobil[Personal Matters / Ex. 6]

---

**From:** Belknap, Andra  
**Sent:** Thursday, October 17, 2013 12:51 PM  
**To:** Strauss, Linda; Blackburn, Elizabeth  
**Cc:** Flattery, Priscilla  
**Subject:** RE: Vitter: EPA Continues to Disappoint on Chemical Science - This Time It's Methanol

And now I realize this should have gone to ORD. Liz -- can you give me some background on this? I imagine all we can say is that we're reviewing...

---

**From:** Belknap, Andra  
**Sent:** Thursday, October 17, 2013 12:27 PM  
**To:** Strauss, Linda  
**Cc:** Flattery, Priscilla  
**Subject:** FW: Vitter: EPA Continues to Disappoint on Chemical Science - This Time It's Methanol

Hi Linda -- We're going to need a statement on this... I'll get guidance from OCIR as well.

---

**From:** Dinesh Kumar [<mailto:dinesh@chemicalwatch.com>]  
**Sent:** Thursday, October 17, 2013 10:44 AM  
**To:** Press  
**Subject:** Fwd: Vitter: EPA Continues to Disappoint on Chemical Science - This Time It's Methanol

----- Forwarded message -----

From: **Dinesh Kumar** <[dinesh@chemicalwatch.com](mailto:dinesh@chemicalwatch.com)>  
Date: 17 October 2013 10:39  
Subject: Fwd: Vitter: EPA Continues to Disappoint on Chemical Science - This Time It's Methanol  
To: "Hooven, Molly" <[hooven.molly@epa.gov](mailto:hooven.molly@epa.gov)>

Hi Molly: Welcome back! Can i have an EPA response to this letter from Senator Vitter.

Thanks

Dinesh Kumar  
North America Editor  
Chemical Watch  
703-573-5870  
[www.chemicalwatch.com](http://www.chemicalwatch.com)



----- Forwarded message -----

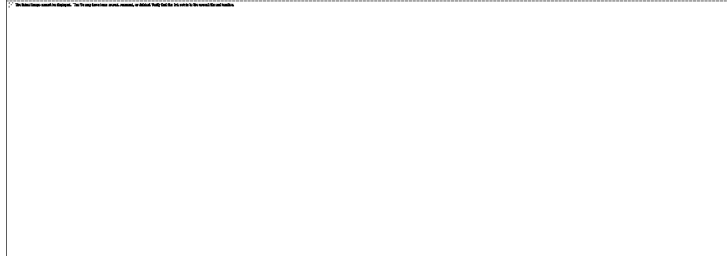
From: **Republicans, EPW (EPW)** <EPW\_Republicans@epw.senate.gov>

Date: 9 October 2013 15:43

Subject: Vitter: EPA Continues to Disappoint on Chemical Science - This Time It's Methanol

To: "Republicans, EPW (EPW)" <EPW\_Republicans@epw.senate.gov>

**Note:** *As this email account is for outgoing messages only, please do not reply to this address. If you need assistance, please contact [luke\\_bolar@vitter.senate.gov](mailto:luke_bolar@vitter.senate.gov)*



**For Immediate Release**

October 9, 2013

Contact: Luke Bolar

(202) 224-4623

## **Vitter: EPA Continues to Disappoint on Chemical Science - This Time It's Methanol**

*Agency fails to live up to commitment on using best available science for chemical scientific and health reviews*

**(Washington, D.C.)** – Today, U.S. Sen. David Vitter (R-La.), top Republican on the Environment and Public Works Committee, sent a letter to Jim Jones, Assistant Administrator of the Office of Chemical Safety and Pollution Prevention (OCSPP) of the U.S. Environmental Protection Agency (EPA), regarding the Agency's Final Toxicological Review of Methanol (Non-Cancer) that was released on September 30<sup>th</sup>. Vitter attests that the EPA fails to use the best available science in their final review, and that the Agency goes so far as to intentionally ignore their own peer reviewers.

"I cannot fathom why EPA continues to ignore implementing the reform principals that the National Academy of Sciences has said are necessary. The Agency is taking creative liberties while using dubious rhetorical arguments, which only undermine their product for chemical management," said Vitter. "The most disappointing aspect is that this is not the first time, nor do I expect it to be the last time, that EPA chooses its 'science-based' conclusions in a manner that is devoid of recognizing the weight of the scientific evidence."

In January 2012, Vitter, along with Sen. James Inhofe (R-Okla.) and Reps. Paul Broun (R-Ga.) and Andy Harris (R-Md.), wrote to the Director of the National Toxicology Program and the Assistant Administrator of the Office of Research and Development of the EPA, expressing concern that EPA continued to fail the transparency test and persisted in using faulty data from the Ramazzini Institute in Italy to come to predetermined conclusions. The Members' bicameral oversight and inquiry lead to the EPA withdrawing use of work from the Ramazzini Institute for multiple assessments, and led the Agency to claim they would move forward using "the soundest possible science" in future EPA Assessments. [Click here to read more.](#)

The assessment released on September 30, 2013 ignores that commitment.

Text of today's letter is below. [Click here for the PDF version.](#)

October 9, 2013

The Honorable Jim Jones  
Assistant Administrator  
U.S. Environmental Protection Agency  
Office of Chemical Safety and Pollution Prevention (OCSPP)  
1200 Pennsylvania Avenue, NW  
Washington, D.C. 20460

Dear Mr. Jones:

On September 30<sup>th</sup>, the EPA released its final Toxicological Review of Methanol (Non-Cancer) in support of the web posting of summary information for the Integrated Risk Information System, including a set of Appendices with the Agency's response to comments from its External Peer Review Panel as well as public comments. This is one of the first IRIS assessments to be finalized following the 2011 National Academy of Sciences series of recommendations for IRIS improvements. While this final assessment does make some important cosmetic improvements that provide for a more concise and readable report, the scientific rigor of the analysis fails to address the concerns raised by the NAS and members of Congress.

Strikingly, the Agency has chosen to ignore public comments and the criticism of its own external peer review panel. In particular, the external peer review panel raised concern that the assessment employs "Uncertainty Factors" that systematically lead to conclusions that are overly conservative by several orders of magnitude. In its insufficient response to comments, the assessment employs dubious rhetorical arguments such as referring to "unquantifiable effects of uncertain adversity" to justify its rejection of suggested higher "safe" exposure levels. Further, the assessment fails to address a fundamental criticism that external exposures at the oral reference dose and inhalation reference concentration result in methanol levels in humans that are well within normal background levels from dietary exposures.

The final methanol (non-cancer) assessment fails to use the "best available science" on several fronts:

1. Toxic effects are caused by internal levels of methanol in cells, in this case estimated by blood methanol concentration. When there are both internal and external sources of a chemical at play, it is more difficult to determine the individual effect of each on human health. EPA's job – via the IRIS assessment process – is to recommend levels of external exposure which, when combined with internal exposure levels, will not result in adverse effects on human health. *Unfortunately, this assessment does not determine a blood level of methanol that is likely to be without toxic effects.* Rather, the assessment focuses on whether an oral exposure at the RfD combined with inhalation exposure at the RfC results in a blood methanol level that is "*distinguishable*" for a non-externally exposed person with average endogenous blood methanol levels. All three external peer reviewers and public commenters disagreed with the EPA that EPA's suggested RfD and RfC would lead to a "*distinguishable*" effect. What is more, by the EPA's own estimates only 20% of the population would show a measurable increase in blood methanol exposure to the Agency's proposed RfD/RfC.
2. On the one hand, the assessment finds that a primate study in the literature is not reliable enough to be used as a basis for establishing the reference concentration, while at the same time the Agency uses the same study to justify their proposed RfD and RfC values. This monkey study suggested methanol effects, but the differences from control groups were not statistically

significant. EPA justifies their suggested RfD and RfC values on the basis that if those “uncertain, but potentially adverse effects” in monkeys were real, and the study had been used to derive the RfC and RfD, then the higher values recommended by the external peer review panel could potentially reach these levels associated with uncertain effects. A convoluted argument at best.

3. The assessment used this data to increase the literature database Uncertainty Factor (UF) from “1” to “3,” and the same data to raise the animal to human UF from “3” to “10.” Both the external peer reviewers and the public commenters recommended against this double counting. The choice of specific Uncertainty Factors appears to result from a desire on the part of the Agency to establish the lowest RfC and RfD that produce blood levels distinguishable from the endogenous background levels. The assessment acknowledges that the database for methanol is extensive, but then assigns a “3” UF for the literature database because there is inconclusive monkey data, even though monkey data is seldom available. The assessment provides extensive PBPK analysis to set pharmacokinetic (PK) animal to human comparison of methanol levels; thus the UF should have been no more than “3” to account for pharmacodynamic (PD) differences. They used a value of “10” (3 for PK and 3 for PD), again, because the monkey data are not fully understood.

This assessment of the non-cancer health effects of methanol by the EPA systematically ratchets down the “safe” exposure levels by providing overly conservative assumptions and uncertainty factors to the point where it provides questionable utility for risk assessment or risk management. The assessment fails to address a fundamental criticism, that exposures at the RfC and RfD result in methanol levels in humans that are well within normal background levels from dietary exposures.

Sincerely,

David Vitter  
Ranking Member  
Environment and Public Works Committee

Message

**From:** Flowers, Lynn [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1A4411C874D041B9A8BADFC32B91BD70-FLOWERS, LYNN]  
**Sent:** 1/30/2014 1:22:58 PM  
**To:** Deener, Kathleen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b9a2ff1c086249ea8f6414afde8a5e54-Deener, Kathleen]; Walsh, Debra [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d4fd965338fc4d449c2954945c41de46-Walsh, Debra]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Perovich, Gina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e3c19d7f4db41bfa2477aa27ad83945-Perovich, Gina]; Bussard, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cf26b876393e44f38bdd06db02dbbfe5-Bussard, David]; Gatchett, Annette [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f12d699a71f84e21bddbb876dae7f96c-Gatchett, Annette]; Olden, Kenneth [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8979224c77ea4d559f70cab1688f28aa-Olden, Kenneth]; Frithsen, Jeff [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e3743bd6f3c345baaae407c1d6f78e92-FRITHSEN, JEFF]; Berner, Ted [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f1949c9653024d3cb4aa4c2bd69c4fde-Berner, Ted]; Birchfield, Norman [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c910f2fd28414e819b6afe6dda525e9f-Birchfield, Norman]; Ross, Mary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=98359cd1f66f46ec91d327e99a3c6909-Ross, Mary]; Sams, Reeder [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7d5b479ccd894cea99ae55df20de6971-Sams, Reeder]; Troyer, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=847b0020dd0e457e85f994a1ad64b26d-Troyer, Michael]; Jarabek, Annie [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8b1de54d48e1429c8129f6499211dbdb-Jarabek, Annie]  
**Subject:** Tom Burke's final QFRs (not the Gina McCarthy set we are working on now)  
**Attachments:** Burke-QFRs.docx

# Deliberative Process / Ex. 5

Lynn Flowers, PhD, DABT  
Associate Director for Health  
National Center for Environmental Assessment  
US EPA  
Washington, DC  
703-347-8537

**From:** Deener, Kathleen  
**Sent:** Friday, January 17, 2014 10:07 AM

**To:** Walsh, Debra; Vandenberg, John; Cogliano, Vincent; Flowers, Lynn; Perovich, Gina  
**Subject:** Fw: QFRs

FYI - the QFRs are on their way to the committee this morning. I'm compressed today and can't seem to log on to the network on my home computer, so I haven't looked at these to see if/how they've changed.

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**From:** Piantanida, David  
**Sent:** Friday, January 17, 2014 9:25:01 AM  
**To:** Deener, Kathleen  
**Subject:** FW: QFRs

Hi Kacee -- thanks for your help with these!!! Much appreciated! They are on their way to the Committee this morning.

David Piantanida, (202) 564-8318, cell: Personal Matters / Ex. 6  
Congressional Liaison  
Office of Research and Development  
US Environmental Protection Agency

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**From:** Levine, Carolyn  
**Sent:** Thursday, January 16, 2014 6:27 PM  
**To:** Piantanida, David  
**Subject:** QFRs

Hi David,

Here are the final, cleared QFRs. The only one that is slightly different than what you provided is #38—the rewrite was slightly repetitive. Minor edit.

Thanks for all your help! I plan to transmit tomorrow a.m.

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*Carolyn Levine*  
*Office of Congressional and Intergovernmental Relations*  
*U.S. EPA*  
*(202) 564-1859*  
[levine.carolyn@epa.gov](mailto:levine.carolyn@epa.gov)